

Anexa 1

Contorizari de trafic

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018	
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar	
13.08.2018	INTERSECTIA 1 POSTUL 1	STANGA PE DJ 101D	07:30 - 08:30		28						28	
			08:30 - 09:30		26					26		
										0		
			16:00 - 17:00		25					25		
			17:00 - 18:00		27					27		
										0		
		INAINTE PE BD. BUCURESTI	07:30 - 08:30		56	1					59	
			08:30 - 09:30		49						49	
											0	
			16:00 - 17:00		45						45	
			17:00 - 18:00		50						50	
											0	
		DREAPTA PE PIATA 1 DECEMBRIE	07:30 - 08:30		7							7
			08:30 - 09:30		3							3
												0
			16:00 - 17:00		31							31
			17:00 - 18:00		42							42
										0		

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Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018	
			Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar	
INTERSECTIA 1 POSTUL 3	STANGA PE PIATA 1 DECEMBRIE	07:30 - 08:30		101	4		14			146	
		08:30 - 09:30		96	3		12			134	
										0	
		16:00 - 17:00		162	6		41			280	
		17:00 - 18:00	1	193	7		43			319	
										0	
	INAINTE PE STRADA VERONICA MICLE	07:30 - 08:30		147							147
		08:30 - 09:30	1	123	1						126
											0
		16:00 - 17:00	1	220							221
		17:00 - 18:00	2	242							243
										0	
	DREAPTA PE DJ 101D	07:30 - 08:30		345	3		5				365
		08:30 - 09:30	2	372	1		6				391
											0
		16:00 - 17:00	5	422	2		2				435
17:00 - 18:00			453	4		2				468	
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 1 POSTUL 4	STANGA PE BD. BUCURESTI	07:30 - 08:30	2	520	2		1			529
			08:30 - 09:30	1	493	1		2			501
											0
			16:00 - 17:00	1	435		2				441
			17:00 - 18:00	3	488	2	1				497
											0
		INAINTE PE PIATA 1 DECEMBRIE	07:30 - 08:30		161		28				231
			08:30 - 09:30	1	154	1	25				220
											0
			16:00 - 17:00		146	1	31				226
			17:00 - 18:00	1	173	3	34				266
											0
		DREAPTA PE STRADA VERONICA MICLE	07:30 - 08:30	1	10						11
			08:30 - 09:30		7						7
											0
			16:00 - 17:00		23						23
17:00 - 18:00			28						28		
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 2 POSTUL 1	STANGA PE PIATA 1 DECEMBRIE 1918	07:30 - 08:30		213	2		27	1		291
			08:30 - 09:30	1	199	1		24		262	
										0	
			16:00 - 17:00	1	228	1	27		299		
			17:00 - 18:00	2	247	2	28		323		
									0		
		INAINTE PE STRADA DEPOULUI	07:30 - 08:30	5	299	8	1	16	1		370
			08:30 - 09:30	3	276	6		17		335	
										0	
			16:00 - 17:00	4	436	3		27	1	518	
17:00 - 18:00	5		479	5		30		569			
								0			

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tramvai	volum trafic orar
13.08.2018	INTERSECTIA 2 POSTUL 2	INAINTE PE STRADA DEPOULUI	07:30 - 08:30		149	2	1	3		8	181
			08:30 - 09:30	1	122	1		1		8	144
											0
			16:00 - 17:00		220	3	1		7	245	
			17:00 - 18:00	1	257	4	2	2		8	296
											0
		DREAPTA PE PIATA 1 DECEMBRIE 1918	07:30 - 08:30		59			2		64	
			08:30 - 09:30	2	48			1		52	
										0	
			16:00 - 17:00	1	97			4		108	
			17:00 - 18:00	3	124	1		3		136	
											0

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tramvai	volum trafic orar
13.08.2018	INTERSECTIA 3 POSTUL 2	INAINTE PE STRADA DEPOULUI	07:30 - 08:30	2	89	1		1		4	103
			08:30 - 09:30	1	98		1	1	3	111	
										0	
			16:00 - 17:00		120	3	1	3	136		
			17:00 - 18:00	1	168		3	5	186		
										0	
		DREAPTA PE BRETEA ACCES PASAJ	07:30 - 08:30		174	1	1			180	
			08:30 - 09:30		183	2			188		
									0		
			16:00 - 17:00	1	204	1			207		
			17:00 - 18:00	1	193	1			196		
										0	

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tramvai	volum trafic orar
13.08.2018	INTERSECTIA 4 POSTUL 1	STANGA PE STRADA DEMOCRATIEI	07:30 - 08:30	3	60			1		3	70
			08:30 - 09:30	1	82	2		1	4	98	
										0	
			16:00 - 17:00	3	83		1	4	95		
			17:00 - 18:00	5	70		2	3	84		
									0		
		INAINTE PE ACCES KAUFAND	07:30 - 08:30	2	38	1			42		
			08:30 - 09:30	1	46				47		
									0		
			16:00 - 17:00	1	49				50		
			17:00 - 18:00	1	53				54		
									0		

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu sau fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 5 POSTUL 1	STANGA SPRE GIRATIE GARA	07:30 - 08:30	3	361			6			378
			08:30 - 09:30	1	367	1		11			398
											0
			16:00 - 17:00	2	390	1		12	1	426	
			17:00 - 18:00	5	410		13	2	449		
										0	
		INAINTE SPRE STRADA DEMOCRATIEI	07:30 - 08:30	3	181		2			188	
			08:30 - 09:30	1	215	2	1			224	
										0	
			16:00 - 17:00	1	230	4	1			244	
			17:00 - 18:00	3	209					211	
										0	

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu sau fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 6 POSTUL 1	STANGA PE STRADA LUPENI	07:30 - 08:30		7						7
			08:30 - 09:30		3					3	
										0	
			16:00 - 17:00		1	1			5		
			17:00 - 18:00		2				2		
									0		
		DREAPTE PE STRADA LUPENI	07:30 - 08:30		1					1	
			08:30 - 09:30		2				1	4	
										0	
			16:00 - 17:00		1					1	
			17:00 - 18:00		2				2		
										0	

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 7 POSTUL 1	STANGA PE STRADA LUPENI	07:30 - 08:30		8						8
			08:30 - 09:30		7	1				10	
									0		
			16:00 - 17:00	1	6				7		
			17:00 - 18:00	1	4				5		
									0		
		DREAPTA PE STRADA LUPENI	07:30 - 08:30						0		
			08:30 - 09:30	1					1		
									0		
			16:00 - 17:00	2	1				2		
			17:00 - 18:00	1					1		
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 7 POSTUL 2	STANGA PE STRADA SIRET	07:30 - 08:30	1							1
			08:30 - 09:30							0	
										0	
			16:00 - 17:00	1						1	
			17:00 - 18:00	1						1	
									0		
		INAINTE PE STRADA LUPENI	07:30 - 08:30	2	29	1		1		35	
			08:30 - 09:30	1	36			1		39	
										0	
			16:00 - 17:00	1	28		1	1		35	
			17:00 - 18:00	3	27			1		31	
								0			

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
13.08.2018	INTERSECTIA 7 POSTUL 3	INAINTE PE STRADA LUPENI	07:30 - 08:30		43						43
			08:30 - 09:30		39	2				44	
									0		
			16:00 - 17:00	3	30		1		34		
			17:00 - 18:00	2	27				28		
									0		
		DREAPTA PE STRADA SIRET	07:30 - 08:30		4	1				7	
			08:30 - 09:30	1	7				8		
									0		
			16:00 - 17:00		5				5		
			17:00 - 18:00	3	3				5		
									0		

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 1 POSTUL 4	STANGA PE BD. BUCURESTI	07:30 - 08:30	2	533	3		2			547
			08:30 - 09:30	2	502	2		2		513	
									0		
			16:00 - 17:00	3	459	2	3		473		
			17:00 - 18:00	2	504	2	2		515		
								0			
		INAINTE PE PIATA 1 DECEMBRIE	07:30 - 08:30		174	1		30		252	
			08:30 - 09:30	1	163			27		231	
									0		
			16:00 - 17:00		154	2	29		232		
			17:00 - 18:00	2	182	2	35		276		
								0			
		DREAPTA PE STRADA VERONICA MICLE	07:30 - 08:30	1	9					10	
			08:30 - 09:30	1	12					13	
									0		
			16:00 - 17:00		27				27		
			17:00 - 18:00		31				31		
						0					

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tramvai	volum trafic orar
14.08.2018	INTERSECTIA 3 POSTUL 2	INAINTE PE STRADA DEPOULUI	07:30 - 08:30	2	99	1		2		3	114
			08:30 - 09:30	2	120	2		2	4	139	
										0	
			16:00 - 17:00	2	126		2	4	140		
			17:00 - 18:00	4	118	1	3	4	138		
										0	
		DREAPTA PE BRETEA ACCES PASAJ	07:30 - 08:30	3	185	3				194	
			08:30 - 09:30	3	224	2				231	
										0	
			16:00 - 17:00	1	226	1				229	
			17:00 - 18:00	2	210	1				214	
										0	

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu sau fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 6 POSTUL 1	STANGA PE STRADA LUPENI	07:30 - 08:30		8						8
			08:30 - 09:30		4					4	
									0		
			16:00 - 17:00		3	1			6		
			17:00 - 18:00		2				2		
									0		
		DREAPTE PE STRADA LUPENI	07:30 - 08:30		3				3		
			08:30 - 09:30		5	1			8		
									0		
			16:00 - 17:00		2				2		
			17:00 - 18:00		4				4		
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu sau fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 6 POSTUL 2	STANGA PE ACCES MALL	07:30 - 08:30		2						2
			08:30 - 09:30	1	2					3	
										0	
			16:00 - 17:00		1					1	
			17:00 - 18:00		1					1	
		INAINTE PE STRADA LUPENI								0	
			07:30 - 08:30	1	17			2		23	
			08:30 - 09:30		12			2		17	
										0	
			16:00 - 17:00	3	25			2		32	
17:00 - 18:00	4	23			2		30				
									0		

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Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 7 POSTUL 1	STANGA PE STRADA LUPENI	07:30 - 08:30	1	9						10
			08:30 - 09:30		10	1				13	
									0		
			16:00 - 17:00	1	7				8		
			17:00 - 18:00	2	8				9		
								0			
		DREAPTA PE STRADA LUPENI	07:30 - 08:30						0		
			08:30 - 09:30	1	1				2		
									0		
			16:00 - 17:00	1	1				2		
			17:00 - 18:00	2	2				3		
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 7 POSTUL 2	STANGA PE STRADA SIRET	07:30 - 08:30	1							1
			08:30 - 09:30	2						1	
									0		
			16:00 - 17:00	1					1		
			17:00 - 18:00	1					1		
									0		
		INAINTE PE STRADA LUPENI	07:30 - 08:30	2	36	1		1		42	
			08:30 - 09:30	3	42		1		46		
									0		
			16:00 - 17:00	2	31	1	1		38		
			17:00 - 18:00	3	28		1		32		
									0		

Ziua	Intersectie	Relatie	Interval orar	Trafic contorizat pe tip de vehicule Anul 2018							Total vehicule etalon turisme 2018
				Biciclete, motociclete fara atas	Autoturisme, microbuze , furgonete	Autocamioane cu 2 , 3 si 4 osii	Autocamioane articulate cu 5 sau mai multe osii	Autobuze/Autocare	Autocamioane cu remorci (tren rutier)	Tractoare cu si fara remorca	volum trafic orar
14.08.2018	INTERSECTIA 7 POSTUL 3	INAINTE PE STRADA LUPENI	07:30 - 08:30	1	47	1					50
			08:30 - 09:30		43	1				46	
									0		
			16:00 - 17:00	2	32				33		
			17:00 - 18:00	3	30				32		
								0			
		DREAPTA PE STRADA SIRET	07:30 - 08:30		5	1				8	
			08:30 - 09:30	1	8				9		
									0		
			16:00 - 17:00	1	6				7		
17:00 - 18:00	3		4				6				
						0					

Anexa 2

Rapoarte Trip Generation

Trip Generation Summary

Alternative: Investitie realizata

Phase:

Open Date: 01.12.2020

Project: Mall Ploiesti

Analysis Date: 20.09.2018

ITE	Land Use	Weekday Average Daily Trips				Weekday AM Peak Hour of Adjacent Street Traffic				Weekday PM Peak Hour of Adjacent Street Traffic			
		*	Enter	Exit	Total	*	Enter	Exit	Total	*	Enter	Exit	Total
820	CENTERSHOPPING 1		9565	9565	19130		267	163	430		798	864	1662
	448 Gross Leasable Area 1000 SF												
850	SUPERMARKET 1		4601	4601	9202		190	116	306		435	418	853
	90 Gross Floor Area 1000 SF												
Unadjusted Volume			14166	14166	28332		457	279	736		1233	1282	2515
Internal Capture Trips			0	0	0		0	0	0		0	0	0
Pass-By Trips			0	0	0		0	0	0		437	437	874
Volume Added to Adjacent Streets			14166	14166	28332		457	279	736		796	845	1641

Total Weekday Average Daily Trips Internal Capture = 0 Percent

Total Weekday AM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent

Total Weekday PM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent

* - Custom rate used for selected time period.

Source: Institute of Transportation Engineers, Trip Generation Manual 9th Edition, 2012

TRIP GENERATION 2014, TRAFFICWARE, LLC

P. 1

Anexa 3

Raport analiza software, trafic aferent anului 2018, fara realizarea investitiei

1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Direction	EB	WB	SB	NW	All
Future Volume (vph)	135	474	822	412	1843
Control Delay / Veh (s/v)	0	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0	0
Total Delay (hr)	0	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00	1.00
Stops (#)	135	474	822	412	1843
Average Speed (km/hr)	50	50	50	50	50
Total Travel Time (hr)	0	2	11	1	14
Distance Traveled (km)	7	117	542	46	712
Fuel Consumed (l)	4	22	70	14	109
Fuel Economy (km/l)	1.9	5.4	7.8	3.4	6.5
CO Emissions (kg)	0.07	0.40	1.30	0.25	2.03
NOx Emissions (kg)	0.01	0.08	0.25	0.05	0.39
VOC Emissions (kg)	0.02	0.09	0.30	0.06	0.47
Unserviced Vehicles (#)	0	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0	0

2: strada Depoului

Direction	EB	WB	SB	All
Future Volume (vph)	602	138	452	1192
Control Delay / Veh (s/v)	0	0	23	9
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	23	9
Total Delay (hr)	0	0	3	3
Stops / Veh	0.00	0.00	0.50	0.19
Stops (#)	0	0	226	226
Average Speed (km/hr)	50	50	13	31
Total Travel Time (hr)	4	0	4	8
Distance Traveled (km)	180	7	51	238
Fuel Consumed (l)	17	1	18	36
Fuel Economy (km/l)	10.5	NA	2.9	6.7
CO Emissions (kg)	0.32	0.01	0.33	0.66
NOx Emissions (kg)	0.06	0.00	0.06	0.13
VOC Emissions (kg)	0.07	0.00	0.08	0.15
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

3: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	519	352	871
Control Delay / Veh (s/v)	6	0	4
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	6	0	4
Total Delay (hr)	1	0	1
Stops / Veh	1.18	0.00	0.71
Stops (#)	615	0	615
Average Speed (km/hr)	33	50	36
Total Travel Time (hr)	2	1	3
Distance Traveled (km)	82	32	114
Fuel Consumed (l)	24	3	27
Fuel Economy (km/l)	3.4	10.5	4.2
CO Emissions (kg)	0.45	0.06	0.50
NOx Emissions (kg)	0.09	0.01	0.10
VOC Emissions (kg)	0.10	0.01	0.12
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

4: strada Depoului/acces Kaufland & strada Democratiei

Direction	EB	WB	SB	All
Future Volume (vph)	156	136	330	622
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.50	0.00	0.11
Stops (#)	0	68	0	68
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	3	3
Distance Traveled (km)	14	13	135	162
Fuel Consumed (l)	1	3	13	17
Fuel Economy (km/l)	10.5	4.7	10.5	9.6
CO Emissions (kg)	0.02	0.05	0.24	0.32
NOx Emissions (kg)	0.00	0.01	0.05	0.06
VOC Emissions (kg)	0.01	0.01	0.06	0.07
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

5: bd. Bucuresti & strada Democratiei

Direction	NB	SE	All
Future Volume (vph)	742	1354	2096
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	7	4	11
Distance Traveled (km)	337	200	536
Fuel Consumed (l)	32	19	51
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.59	0.35	0.95
NOx Emissions (kg)	0.11	0.07	0.18
VOC Emissions (kg)	0.14	0.08	0.22
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

6:

Direction	EB	SE	NW	All
Future Volume (vph)	6	30	31	67
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	0.00	0.00	0.09
Stops (#)	6	0	0	6
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	1	6	8	15
Fuel Consumed (l)	0	1	1	2
Fuel Economy (km/l)	NA	NA	NA	9.6
CO Emissions (kg)	0.00	0.01	0.01	0.03
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

7:

Direction	SE	NW	NE	All
Future Volume (vph)	39	33	12	84
Control Delay / Veh (s/v)	0	0	9	1
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	9	1
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.03	1.00	0.15
Stops (#)	0	1	12	13
Average Speed (km/hr)	50	49	32	45
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	4	7	3	14
Fuel Consumed (l)	0	1	1	2
Fuel Economy (km/l)	NA	NA	NA	8.2
CO Emissions (kg)	0.01	0.01	0.01	0.03
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserved Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

8: strada Veronica Micle & strada Mihai Eminescu

Direction	WB	SB	All
Future Volume (vph)	156	135	291
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	1.00	0.46
Stops (#)	0	135	135
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	8	17	26
Fuel Consumed (l)	1	5	5
Fuel Economy (km/l)	NA	3.7	4.7
CO Emissions (kg)	0.01	0.09	0.10
NOx Emissions (kg)	0.00	0.02	0.02
VOC Emissions (kg)	0.00	0.02	0.02
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

9: bd. Bucuresti

Direction	EB	WB	NE	All
Future Volume (vph)	777	474	577	1828
Control Delay / Veh (s/v)	0	0	87	28
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	87	28
Total Delay (hr)	0	0	14	14
Stops / Veh	0.00	0.00	0.50	0.16
Stops (#)	0	0	288	288
Average Speed (km/hr)	50	50	5	16
Total Travel Time (hr)	4	1	15	21
Distance Traveled (km)	192	70	70	332
Fuel Consumed (l)	18	7	52	77
Fuel Economy (km/l)	10.5	10.5	1.4	4.3
CO Emissions (kg)	0.34	0.12	0.97	1.43
NOx Emissions (kg)	0.07	0.02	0.19	0.28
VOC Emissions (kg)	0.08	0.03	0.22	0.33
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

18: strada Democratiei

Direction	NB	SB	NW	All
Future Volume (vph)	140	330	268	738
Control Delay / Veh (s/v)	0	0	11	4
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	11	4
Total Delay (hr)	0	0	1	1
Stops / Veh	0.00	0.00	0.50	0.18
Stops (#)	0	0	134	134
Average Speed (km/hr)	50	50	36	43
Total Travel Time (hr)	1	2	3	6
Distance Traveled (km)	57	89	112	258
Fuel Consumed (l)	5	8	16	30
Fuel Economy (km/l)	10.5	10.5	7.0	8.6
CO Emissions (kg)	0.10	0.16	0.30	0.55
NOx Emissions (kg)	0.02	0.03	0.06	0.11
VOC Emissions (kg)	0.02	0.04	0.07	0.13
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

24: acces Kaufland

Direction	EB	SW	All
Future Volume (vph)	121	138	259
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	1.00	1.00	1.00
Stops (#)	121	138	259
Average Speed (km/hr)	49	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	12	22	34
Fuel Consumed (l)	4	5	9
Fuel Economy (km/l)	3.0	4.3	3.7
CO Emissions (kg)	0.07	0.10	0.17
NOx Emissions (kg)	0.01	0.02	0.03
VOC Emissions (kg)	0.02	0.02	0.04
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

26: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	861	138	999
Control Delay / Veh (s/v)	18	9	17
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	18	9	17
Total Delay (hr)	4	0	5
Stops / Veh	0.50	0.50	0.50
Stops (#)	430	69	499
Average Speed (km/hr)	9	29	11
Total Travel Time (hr)	5	1	6
Distance Traveled (km)	45	22	67
Fuel Consumed (l)	26	5	30
Fuel Economy (km/l)	1.8	4.8	2.2
CO Emissions (kg)	0.48	0.08	0.57
NOx Emissions (kg)	0.09	0.02	0.11
VOC Emissions (kg)	0.11	0.02	0.13
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

Network Totals

Number of Intersections	12
Control Delay / Veh (s/v)	8
Queue Delay / Veh (s/v)	0
Total Delay / Veh (s/v)	8
Total Delay (hr)	23
Stops / Veh	0.38
Stops (#)	4086
Average Speed (km/hr)	34
Total Travel Time (hr)	73
Distance Traveled (km)	2508
Fuel Consumed (l)	394
Fuel Economy (km/l)	6.4
CO Emissions (kg)	7.33
NOx Emissions (kg)	1.42
VOC Emissions (kg)	1.69
Unserved Vehicles (#)	0
Vehicles in dilemma zone (#)	0
Performance Index	34.6

Lungimi de siruri in asteptare

Intersection: 1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Movement	EB	WB	WB	SB	SB
Directions Served	LT>	LT	R	<T	TR
Maximum Queue (m)	15.0	15.6	22.3	118.0	79.7
Average Queue (m)	10.4	10.5	4.5	59.8	22.4
95th Queue (m)	14.2	14.7	19.1	116.6	73.9
Link Distance (m)	12.4	193.6	193.6	623.5	623.5
Upstream Blk Time (%)	3				
Queuing Penalty (veh)	4				
Storage Bay Dist (m)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: strada Depoului

Movement	EB	EB	WB	SB	SB	SB	SB
Directions Served	T	T	T	L	L	R	R
Maximum Queue (m)	39.3	15.2	29.4	27.9	16.4	20.4	10.7
Average Queue (m)	16.8	3.0	12.6	20.6	11.1	13.0	7.5
95th Queue (m)	39.2	13.0	28.7	27.9	21.3	20.4	13.8
Link Distance (m)	291.0	291.0	38.6	69.3	69.3	69.3	69.3
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 3: strada Depoului

Movement	EB	WB
Directions Served	L	TR
Maximum Queue (m)	40.4	37.0
Average Queue (m)	21.0	16.2
95th Queue (m)	38.0	42.2
Link Distance (m)	141.4	82.8
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 4: strada Depoului/acces Kaufland & strada Democratiei

Movement	WB
Directions Served	TR
Maximum Queue (m)	9.3
Average Queue (m)	7.4
95th Queue (m)	13.5
Link Distance (m)	70.7
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: bd. Bucuresti & strada Democratiei

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)	

Intersection: 6:

Movement	EB
Directions Served	LR
Maximum Queue (m)	5.8
Average Queue (m)	1.2
95th Queue (m)	5.0
Link Distance (m)	134.6
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7:

Movement	NE
Directions Served	LR
Maximum Queue (m)	8.6
Average Queue (m)	1.7
95th Queue (m)	7.4
Link Distance (m)	213.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: strada Veronica Micle & strada Mihai Eminescu

Movement	SB
Directions Served	L
Maximum Queue (m)	15.8
Average Queue (m)	10.1
95th Queue (m)	14.8
Link Distance (m)	121.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: bd. Bucuresti

Movement	NE
Directions Served	R
Maximum Queue (m)	110.4
Average Queue (m)	61.8
95th Queue (m)	124.5
Link Distance (m)	95.7
Upstream Blk Time (%)	5
Queuing Penalty (veh)	30
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Lungimi de siruri in asteptare

Intersection: 18: strada Democratiei

Movement	NW
Directions Served	R
Maximum Queue (m)	29.3
Average Queue (m)	15.3
95th Queue (m)	32.0
Link Distance (m)	326.1
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 24: acces Kaufland

Movement	EB
Directions Served	LT
Maximum Queue (m)	23.7
Average Queue (m)	4.7
95th Queue (m)	20.4
Link Distance (m)	70.7
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 26: strada Depoului

Movement	EB	WB
Directions Served	LT	TR
Maximum Queue (m)	9.4	9.1
Average Queue (m)	5.5	5.2
95th Queue (m)	13.0	12.3
Link Distance (m)	38.6	141.4
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 34

Anexa 4

Raport analiza software Situatia existenta, trafic aferent anului 2020

1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Direction	EB	WB	SB	NW	All
Future Volume (vph)	143	503	871	437	1954
Control Delay / Veh (s/v)	0	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0	0
Total Delay (hr)	0	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00	1.00
Stops (#)	143	503	871	437	1954
Average Speed (km/hr)	50	50	50	50	50
Total Travel Time (hr)	0	2	11	1	15
Distance Traveled (km)	8	124	574	49	755
Fuel Consumed (l)	4	23	74	14	116
Fuel Economy (km/l)	1.9	5.4	7.8	3.4	6.5
CO Emissions (kg)	0.07	0.43	1.38	0.27	2.15
NOx Emissions (kg)	0.01	0.08	0.27	0.05	0.41
VOC Emissions (kg)	0.02	0.10	0.32	0.06	0.50
Unserviced Vehicles (#)	0	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0	0

2: strada Depoului

Direction	EB	WB	SB	All
Future Volume (vph)	638	146	479	1263
Control Delay / Veh (s/v)	0	0	24	9
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	24	9
Total Delay (hr)	0	0	3	3
Stops / Veh	0.00	0.00	0.50	0.19
Stops (#)	0	0	239	239
Average Speed (km/hr)	50	50	13	31
Total Travel Time (hr)	4	0	4	8
Distance Traveled (km)	191	8	54	253
Fuel Consumed (l)	18	1	19	38
Fuel Economy (km/l)	10.5	NA	2.8	6.6
CO Emissions (kg)	0.34	0.01	0.36	0.71
NOx Emissions (kg)	0.06	0.00	0.07	0.14
VOC Emissions (kg)	0.08	0.00	0.08	0.16
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

3: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	551	374	925
Control Delay / Veh (s/v)	6	0	4
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	6	0	4
Total Delay (hr)	1	0	1
Stops / Veh	1.20	0.00	0.71
Stops (#)	661	0	661
Average Speed (km/hr)	33	50	36
Total Travel Time (hr)	3	1	3
Distance Traveled (km)	87	34	121
Fuel Consumed (l)	26	3	29
Fuel Economy (km/l)	3.4	10.5	4.2
CO Emissions (kg)	0.48	0.06	0.54
NOx Emissions (kg)	0.09	0.01	0.10
VOC Emissions (kg)	0.11	0.01	0.12
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

4: strada Depoului/acces Kaufland & strada Democratiei

Direction	EB	WB	SB	All
Future Volume (vph)	166	144	350	660
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.50	0.00	0.11
Stops (#)	0	72	0	72
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	3	3
Distance Traveled (km)	15	14	144	172
Fuel Consumed (l)	1	3	14	18
Fuel Economy (km/l)	10.5	4.7	10.5	9.6
CO Emissions (kg)	0.03	0.05	0.25	0.33
NOx Emissions (kg)	0.01	0.01	0.05	0.06
VOC Emissions (kg)	0.01	0.01	0.06	0.08
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

5: bd. Bucuresti & strada Democratiei

Direction	NB	SE	All
Future Volume (vph)	786	1435	2221
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	7	4	11
Distance Traveled (km)	357	212	568
Fuel Consumed (l)	34	20	54
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.63	0.37	1.00
NOx Emissions (kg)	0.12	0.07	0.19
VOC Emissions (kg)	0.15	0.09	0.23
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

6:

Direction	EB	SE	NW	All
Future Volume (vph)	6	32	33	71
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	0.00	0.00	0.08
Stops (#)	6	0	0	6
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	1	7	9	16
Fuel Consumed (l)	0	1	1	2
Fuel Economy (km/l)	NA	NA	NA	9.7
CO Emissions (kg)	0.00	0.01	0.02	0.03
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

7:

Direction	SE	NW	NE	All
Future Volume (vph)	40	35	12	87
Control Delay / Veh (s/v)	0	0	9	1
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	9	1
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.03	1.00	0.15
Stops (#)	0	1	12	13
Average Speed (km/hr)	50	49	32	45
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	4	7	3	14
Fuel Consumed (l)	0	1	1	2
Fuel Economy (km/l)	NA	NA	NA	8.2
CO Emissions (kg)	0.01	0.01	0.01	0.03
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserved Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

8: strada Veronica Micle & strada Mihai Eminescu

Direction	WB	SB	All
Future Volume (vph)	166	144	310
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	1.00	0.46
Stops (#)	0	144	144
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	9	18	27
Fuel Consumed (l)	1	5	6
Fuel Economy (km/l)	NA	3.7	4.7
CO Emissions (kg)	0.02	0.09	0.11
NOx Emissions (kg)	0.00	0.02	0.02
VOC Emissions (kg)	0.00	0.02	0.02
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

9: bd. Bucuresti

Direction	EB	WB	NE	All
Future Volume (vph)	823	502	612	1937
Control Delay / Veh (s/v)	0	0	127	40
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	127	40
Total Delay (hr)	0	0	22	22
Stops / Veh	0.00	0.00	0.50	0.16
Stops (#)	0	0	306	306
Average Speed (km/hr)	50	50	3	12
Total Travel Time (hr)	4	1	23	29
Distance Traveled (km)	203	74	75	352
Fuel Consumed (l)	19	7	74	100
Fuel Economy (km/l)	10.5	10.5	1.0	3.5
CO Emissions (kg)	0.36	0.13	1.37	1.86
NOx Emissions (kg)	0.07	0.03	0.26	0.36
VOC Emissions (kg)	0.08	0.03	0.32	0.43
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

18: strada Democratiei

Direction	NB	SB	NW	All
Future Volume (vph)	148	350	284	782
Control Delay / Veh (s/v)	0	0	12	4
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	12	4
Total Delay (hr)	0	0	1	1
Stops / Veh	0.00	0.00	0.50	0.18
Stops (#)	0	0	142	142
Average Speed (km/hr)	50	50	36	43
Total Travel Time (hr)	1	2	3	6
Distance Traveled (km)	61	94	118	273
Fuel Consumed (l)	6	9	17	32
Fuel Economy (km/l)	10.5	10.5	7.0	8.6
CO Emissions (kg)	0.11	0.17	0.32	0.59
NOx Emissions (kg)	0.02	0.03	0.06	0.11
VOC Emissions (kg)	0.02	0.04	0.07	0.14
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

24: acces Kaufland

Direction	EB	SW	All
Future Volume (vph)	128	146	274
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	1.00	1.00	1.00
Stops (#)	128	146	274
Average Speed (km/hr)	49	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	12	23	36
Fuel Consumed (l)	4	6	10
Fuel Economy (km/l)	3.0	4.3	3.7
CO Emissions (kg)	0.07	0.10	0.18
NOx Emissions (kg)	0.01	0.02	0.03
VOC Emissions (kg)	0.02	0.02	0.04
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

26: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	913	146	1059
Control Delay / Veh (s/v)	21	9	19
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	21	9	19
Total Delay (hr)	5	0	6
Stops / Veh	0.50	0.50	0.50
Stops (#)	456	73	529
Average Speed (km/hr)	8	28	10
Total Travel Time (hr)	6	1	7
Distance Traveled (km)	48	23	71
Fuel Consumed (l)	29	5	34
Fuel Economy (km/l)	1.6	4.8	2.1
CO Emissions (kg)	0.55	0.09	0.64
NOx Emissions (kg)	0.11	0.02	0.12
VOC Emissions (kg)	0.13	0.02	0.15
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

Network Totals

Number of Intersections	12
Control Delay / Veh (s/v)	10
Queue Delay / Veh (s/v)	0
Total Delay / Veh (s/v)	10
Total Delay (hr)	32
Stops / Veh	0.38
Stops (#)	4340
Average Speed (km/hr)	31
Total Travel Time (hr)	85
Distance Traveled (km)	2658
Fuel Consumed (l)	439
Fuel Economy (km/l)	6.1
CO Emissions (kg)	8.17
NOx Emissions (kg)	1.58
VOC Emissions (kg)	1.88
Unserved Vehicles (#)	0
Vehicles in dilemma zone (#)	0
Performance Index	44.4

Lungimi de siruri in asteptare

Intersection: 1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Movement	EB	WB	WB	SB	SB
Directions Served	LT>	LT	R	<T	TR
Maximum Queue (m)	15.6	22.6	22.2	98.7	87.3
Average Queue (m)	11.6	13.4	10.5	70.4	28.5
95th Queue (m)	16.5	22.2	25.4	112.1	88.4
Link Distance (m)	12.4	193.6	193.6	623.5	623.5
Upstream Blk Time (%)	5				
Queuing Penalty (veh)	7				
Storage Bay Dist (m)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: strada Depoului

Movement	EB	EB	WB	SB	SB	SB	SB
Directions Served	T	T	T	L	L	R	R
Maximum Queue (m)	49.2	34.8	23.9	40.1	28.5	15.7	14.9
Average Queue (m)	26.3	10.4	10.2	24.9	20.9	12.9	9.5
95th Queue (m)	49.5	31.5	22.9	41.5	33.3	18.0	18.3
Link Distance (m)	291.0	291.0	38.6	69.3	69.3	69.3	69.3
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 3: strada Depoului

Movement	EB	WB
Directions Served	L	TR
Maximum Queue (m)	29.4	22.6
Average Queue (m)	22.5	18.6
95th Queue (m)	36.1	23.4
Link Distance (m)	141.4	82.8
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 4: strada Depoului/acces Kaufland & strada Democratiei

Movement	WB	SB
Directions Served	TR	LR
Maximum Queue (m)	15.6	4.6
Average Queue (m)	11.6	1.7
95th Queue (m)	16.5	5.1
Link Distance (m)	70.7	116.4
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: bd. Bucuresti & strada Democratiei

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)	

Intersection: 6:

Movement	EB
Directions Served	LR
Maximum Queue (m)	5.2
Average Queue (m)	1.0
95th Queue (m)	4.5
Link Distance (m)	134.6
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7:

Movement	NE
Directions Served	LR
Maximum Queue (m)	8.7
Average Queue (m)	1.7
95th Queue (m)	7.5
Link Distance (m)	213.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: strada Veronica Micle & strada Mihai Eminescu

Movement	WB	SB
Directions Served	T	L
Maximum Queue (m)	8.3	15.2
Average Queue (m)	1.7	11.3
95th Queue (m)	7.1	16.4
Link Distance (m)	12.4	121.8
Upstream Blk Time (%)	0	
Queuing Penalty (veh)	0	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 9: bd. Bucuresti

Movement	EB	NE
Directions Served	T	R
Maximum Queue (m)	7.9	95.7
Average Queue (m)	1.6	76.2
95th Queue (m)	6.8	119.8
Link Distance (m)	193.6	95.7
Upstream Blk Time (%)		1
Queuing Penalty (veh)		7
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 18: strada Democratiei

Movement	NW
Directions Served	R
Maximum Queue (m)	9.1
Average Queue (m)	1.8
95th Queue (m)	7.8
Link Distance (m)	326.1
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 24: acces Kaufland

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)	

Intersection: 26: strada Depoului

Movement	EB	EB	WB
Directions Served	LT	T	TR
Maximum Queue (m)	9.3	9.2	9.3
Average Queue (m)	3.7	1.8	5.6
95th Queue (m)	11.1	7.9	13.0
Link Distance (m)	38.6	38.6	141.4
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (m)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 14

Anexa 5

Raport analiza software Situatia existenta, trafic aferent anului 2025

1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Direction	EB	WB	SB	NW	All
Future Volume (vph)	168	592	1028	515	2303
Control Delay / Veh (s/v)	0	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0	0
Total Delay (hr)	0	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00	1.00
Stops (#)	168	592	1028	515	2303
Average Speed (km/hr)	50	50	50	50	50
Total Travel Time (hr)	0	3	14	1	18
Distance Traveled (km)	9	146	677	58	890
Fuel Consumed (l)	5	27	87	17	136
Fuel Economy (km/l)	1.9	5.4	7.8	3.4	6.5
CO Emissions (kg)	0.09	0.50	1.63	0.32	2.53
NOx Emissions (kg)	0.02	0.10	0.31	0.06	0.49
VOC Emissions (kg)	0.02	0.12	0.37	0.07	0.58
Unserviced Vehicles (#)	0	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0	0

2: strada Depoului

Direction	EB	WB	SB	All
Future Volume (vph)	753	173	565	1491
Control Delay / Veh (s/v)	0	0	31	12
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	31	12
Total Delay (hr)	0	0	5	5
Stops / Veh	0.00	0.00	0.50	0.19
Stops (#)	0	0	282	282
Average Speed (km/hr)	50	50	10	28
Total Travel Time (hr)	4	0	6	11
Distance Traveled (km)	225	9	64	298
Fuel Consumed (l)	21	1	26	48
Fuel Economy (km/l)	10.5	NA	2.5	6.2
CO Emissions (kg)	0.40	0.02	0.48	0.89
NOx Emissions (kg)	0.08	0.00	0.09	0.17
VOC Emissions (kg)	0.09	0.00	0.11	0.21
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

3: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	649	441	1090
Control Delay / Veh (s/v)	6	0	4
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	6	0	4
Total Delay (hr)	1	0	1
Stops / Veh	1.26	0.00	0.75
Stops (#)	819	0	819
Average Speed (km/hr)	32	50	36
Total Travel Time (hr)	3	1	4
Distance Traveled (km)	103	40	142
Fuel Consumed (l)	31	4	35
Fuel Economy (km/l)	3.3	10.5	4.1
CO Emissions (kg)	0.58	0.07	0.65
NOx Emissions (kg)	0.11	0.01	0.13
VOC Emissions (kg)	0.13	0.02	0.15
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

4: strada Depoului/acces Kaufland & strada Democratiei

Direction	EB	WB	SB	All
Future Volume (vph)	196	170	412	778
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.50	0.00	0.11
Stops (#)	0	85	0	85
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	3	4
Distance Traveled (km)	18	16	169	203
Fuel Consumed (l)	2	3	16	21
Fuel Economy (km/l)	10.5	4.7	10.5	9.6
CO Emissions (kg)	0.03	0.06	0.30	0.39
NOx Emissions (kg)	0.01	0.01	0.06	0.08
VOC Emissions (kg)	0.01	0.01	0.07	0.09
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

5: bd. Bucuresti & strada Democratiei

Direction	NB	SE	All
Future Volume (vph)	927	1693	2620
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	8	5	13
Distance Traveled (km)	420	250	670
Fuel Consumed (l)	40	24	64
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.74	0.44	1.18
NOx Emissions (kg)	0.14	0.09	0.23
VOC Emissions (kg)	0.17	0.10	0.27
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

6:

Direction	EB	SE	NW	All
Future Volume (vph)	7	39	39	85
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	0.00	0.00	0.08
Stops (#)	7	0	0	7
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	1	8	10	19
Fuel Consumed (l)	0	1	1	2
Fuel Economy (km/l)	NA	NA	NA	9.7
CO Emissions (kg)	0.00	0.01	0.02	0.04
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

7:

Direction	SE	NW	NE	All
Future Volume (vph)	47	40	15	102
Control Delay / Veh (s/v)	0	0	9	1
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	9	1
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.03	1.00	0.16
Stops (#)	0	1	15	16
Average Speed (km/hr)	50	49	32	45
Total Travel Time (hr)	0	0	0	0
Distance Traveled (km)	5	8	3	17
Fuel Consumed (l)	1	1	1	2
Fuel Economy (km/l)	NA	NA	NA	8.1
CO Emissions (kg)	0.01	0.02	0.01	0.04
NOx Emissions (kg)	0.00	0.00	0.00	0.01
VOC Emissions (kg)	0.00	0.00	0.00	0.01
Unserved Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

8: strada Veronica Micle & strada Mihai Eminescu

Direction	WB	SB	All
Future Volume (vph)	195	168	363
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	1.00	0.46
Stops (#)	0	168	168
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	10	21	32
Fuel Consumed (l)	1	6	7
Fuel Economy (km/l)	NA	3.7	4.7
CO Emissions (kg)	0.02	0.11	0.13
NOx Emissions (kg)	0.00	0.02	0.02
VOC Emissions (kg)	0.00	0.02	0.03
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

9: bd. Bucuresti

Direction	EB	WB	NE	All
Future Volume (vph)	972	592	721	2285
Control Delay / Veh (s/v)	0	0	294	93
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	294	93
Total Delay (hr)	0	0	59	59
Stops / Veh	0.00	0.00	0.50	0.16
Stops (#)	0	0	360	360
Average Speed (km/hr)	50	50	1	6
Total Travel Time (hr)	5	2	61	67
Distance Traveled (km)	240	87	88	415
Fuel Consumed (l)	23	8	179	210
Fuel Economy (km/l)	10.5	10.5	0.5	2.0
CO Emissions (kg)	0.42	0.15	3.33	3.91
NOx Emissions (kg)	0.08	0.03	0.64	0.76
VOC Emissions (kg)	0.10	0.04	0.77	0.90
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

18: strada Democratiei

Direction	NB	SB	NW	All
Future Volume (vph)	175	412	335	922
Control Delay / Veh (s/v)	0	0	13	5
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	13	5
Total Delay (hr)	0	0	1	1
Stops / Veh	0.00	0.00	0.50	0.18
Stops (#)	0	0	167	167
Average Speed (km/hr)	50	50	35	42
Total Travel Time (hr)	1	2	4	8
Distance Traveled (km)	72	111	139	322
Fuel Consumed (l)	7	11	20	38
Fuel Economy (km/l)	10.5	10.5	6.9	8.6
CO Emissions (kg)	0.13	0.20	0.38	0.70
NOx Emissions (kg)	0.02	0.04	0.07	0.14
VOC Emissions (kg)	0.03	0.05	0.09	0.16
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

24: acces Kaufland

Direction	EB	SW	All
Future Volume (vph)	151	173	324
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	1.00	1.00	1.00
Stops (#)	151	173	324
Average Speed (km/hr)	49	50	50
Total Travel Time (hr)	0	1	1
Distance Traveled (km)	14	28	42
Fuel Consumed (l)	5	7	11
Fuel Economy (km/l)	3.0	4.3	3.7
CO Emissions (kg)	0.09	0.12	0.21
NOx Emissions (kg)	0.02	0.02	0.04
VOC Emissions (kg)	0.02	0.03	0.05
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

26: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	1076	172	1248
Control Delay / Veh (s/v)	37	9	33
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	37	9	33
Total Delay (hr)	11	0	12
Stops / Veh	0.50	0.50	0.50
Stops (#)	538	86	624
Average Speed (km/hr)	5	28	6
Total Travel Time (hr)	12	1	13
Distance Traveled (km)	57	27	84
Fuel Consumed (l)	48	6	54
Fuel Economy (km/l)	1.2	4.8	1.6
CO Emissions (kg)	0.90	0.11	1.00
NOx Emissions (kg)	0.17	0.02	0.19
VOC Emissions (kg)	0.21	0.02	0.23
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

Network Totals

Number of Intersections	12
Control Delay / Veh (s/v)	21
Queue Delay / Veh (s/v)	0
Total Delay / Veh (s/v)	21
Total Delay (hr)	78
Stops / Veh	0.38
Stops (#)	5155
Average Speed (km/hr)	22
Total Travel Time (hr)	140
Distance Traveled (km)	3135
Fuel Consumed (l)	628
Fuel Economy (km/l)	5.0
CO Emissions (kg)	11.69
NOx Emissions (kg)	2.26
VOC Emissions (kg)	2.70
Unserved Vehicles (#)	0
Vehicles in dilemma zone (#)	0
Performance Index	91.9

Lungimi de siruri in asteptare

Intersection: 1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Movement	EB	WB	WB	SB	SB
Directions Served	LT>	LT	R	<T	TR
Maximum Queue (m)	15.6	22.2	16.5	130.9	114.8
Average Queue (m)	5.0	17.1	11.6	68.8	45.0
95th Queue (m)	15.5	25.0	22.2	140.2	117.3
Link Distance (m)	12.4	193.6	193.6	623.5	623.5
Upstream Blk Time (%)	1				
Queuing Penalty (veh)	2				
Storage Bay Dist (m)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: strada Depoului

Movement	EB	EB	WB	SB	SB	SB	SB
Directions Served	T	T	T	L	L	R	R
Maximum Queue (m)	40.6	16.9	15.6	53.7	34.4	15.6	22.6
Average Queue (m)	31.0	12.1	11.7	39.8	19.0	10.4	14.4
95th Queue (m)	48.3	18.3	17.0	57.6	34.6	14.7	25.1
Link Distance (m)	291.0	291.0	38.6	69.3	69.3	69.3	69.3
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 3: strada Depoului

Movement	EB	WB
Directions Served	L	TR
Maximum Queue (m)	34.2	17.3
Average Queue (m)	22.9	12.6
95th Queue (m)	36.2	23.2
Link Distance (m)	141.4	82.8
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 4: strada Depoului/acces Kaufland & strada Democratiei

Movement	WB	SB
Directions Served	TR	LR
Maximum Queue (m)	9.2	12.4
Average Queue (m)	5.5	2.5
95th Queue (m)	12.9	10.7
Link Distance (m)	70.7	116.4
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: bd. Bucuresti & strada Democratiei

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)	

Intersection: 6:

Movement	EB
Directions Served	LR
Maximum Queue (m)	5.9
Average Queue (m)	2.3
95th Queue (m)	6.9
Link Distance (m)	134.6
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7:

Movement	NE
Directions Served	LR
Maximum Queue (m)	8.7
Average Queue (m)	1.7
95th Queue (m)	7.5
Link Distance (m)	213.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: strada Veronica Micle & strada Mihai Eminescu

Movement	SB
Directions Served	L
Maximum Queue (m)	16.0
Average Queue (m)	10.0
95th Queue (m)	15.0
Link Distance (m)	121.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: bd. Bucuresti

Movement	NE
Directions Served	R
Maximum Queue (m)	105.2
Average Queue (m)	71.4
95th Queue (m)	114.8
Link Distance (m)	95.7
Upstream Blk Time (%)	2
Queuing Penalty (veh)	15
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Lungimi de siruri in asteptare

Intersection: 18: strada Democratiei

Movement	NW
Directions Served	R
Maximum Queue (m)	35.0
Average Queue (m)	14.2
95th Queue (m)	31.3
Link Distance (m)	326.1
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 24: acces Kaufland

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)	

Intersection: 26: strada Depoului

Movement	EB	EB	WB
Directions Served	LT	T	TR
Maximum Queue (m)	33.5	9.2	16.4
Average Queue (m)	15.0	1.8	8.7
95th Queue (m)	34.5	7.9	17.3
Link Distance (m)	38.6	38.6	141.4
Upstream Blk Time (%)	0		
Queuing Penalty (veh)	0		
Storage Bay Dist (m)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 18

Anexa 6

Raport analiza software Solutia propusa, trafic aferent anului 2020

1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Direction	EB	WB	NB	SB	All
Future Volume (vph)	143	503	491	882	2019
Control Delay / Veh (s/v)	0	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0	0
Total Delay (hr)	0	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00	1.00
Stops (#)	143	503	491	882	2019
Average Speed (km/hr)	50	50	50	50	50
Total Travel Time (hr)	0	2	1	12	15
Distance Traveled (km)	8	124	55	581	768
Fuel Consumed (l)	4	23	16	75	118
Fuel Economy (km/l)	1.9	5.4	3.4	7.8	6.5
CO Emissions (kg)	0.07	0.43	0.30	1.39	2.20
NOx Emissions (kg)	0.01	0.08	0.06	0.27	0.42
VOC Emissions (kg)	0.02	0.10	0.07	0.32	0.51
Unserviced Vehicles (#)	0	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0	0

2: strada Depoului

Direction	EB	WB	SB	All
Future Volume (vph)	660	252	500	1412
Control Delay / Veh (s/v)	4	0	384	138
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	4	0	384	138
Total Delay (hr)	1	0	53	54
Stops / Veh	0.75	0.00	0.50	0.53
Stops (#)	496	0	250	746
Average Speed (km/hr)	43	50	1	5
Total Travel Time (hr)	5	1	54	60
Distance Traveled (km)	197	48	56	301
Fuel Consumed (l)	32	5	159	195
Fuel Economy (km/l)	6.2	10.5	0.4	1.5
CO Emissions (kg)	0.59	0.08	2.95	3.62
NOx Emissions (kg)	0.11	0.02	0.57	0.70
VOC Emissions (kg)	0.14	0.02	0.68	0.84
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

3: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	605	479	1084
Control Delay / Veh (s/v)	6	0	3
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	6	0	3
Total Delay (hr)	1	0	1
Stops / Veh	1.16	0.00	0.65
Stops (#)	703	0	703
Average Speed (km/hr)	35	50	38
Total Travel Time (hr)	3	1	4
Distance Traveled (km)	115	43	158
Fuel Consumed (l)	29	4	33
Fuel Economy (km/l)	3.9	10.5	4.7
CO Emissions (kg)	0.55	0.08	0.62
NOx Emissions (kg)	0.11	0.01	0.12
VOC Emissions (kg)	0.13	0.02	0.14
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

4: strada Depoului/acces Kaufland & strada Democratiei

Direction	EB	WB	SB	All
Future Volume (vph)	230	259	382	871
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.50	0.00	0.15
Stops (#)	0	129	0	129
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	1	1
Distance Traveled (km)	21	25	28	73
Fuel Consumed (l)	2	5	3	10
Fuel Economy (km/l)	10.5	4.7	10.5	7.4
CO Emissions (kg)	0.04	0.10	0.05	0.18
NOx Emissions (kg)	0.01	0.02	0.01	0.04
VOC Emissions (kg)	0.01	0.02	0.01	0.04
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

5: bd. Bucuresti & strada Democratiei

Direction	NB	SE	All
Future Volume (vph)	830	1435	2265
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	8	4	12
Distance Traveled (km)	376	212	588
Fuel Consumed (l)	36	20	56
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.67	0.37	1.04
NOx Emissions (kg)	0.13	0.07	0.20
VOC Emissions (kg)	0.15	0.09	0.24
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

6: Lupeni & A.Iachimescu

Direction	EB	SE	NW	All
Future Volume (vph)	26	52	61	139
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	0.00	0.00	0.19
Stops (#)	26	0	0	26
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	13	11	3	27
Fuel Consumed (l)	2	1	0	3
Fuel Economy (km/l)	7.2	10.5	NA	8.6
CO Emissions (kg)	0.03	0.02	0.01	0.06
NOx Emissions (kg)	0.01	0.00	0.00	0.01
VOC Emissions (kg)	0.01	0.00	0.00	0.01
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

7: Lupeni

Direction	SE	NW	NE	All
Future Volume (vph)	56	81	12	149
Control Delay / Veh (s/v)	0	2	9	2
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	2	9	2
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.38	1.00	0.29
Stops (#)	0	31	12	43
Average Speed (km/hr)	50	44	31	44
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	6	17	3	26
Fuel Consumed (l)	1	2	1	4
Fuel Economy (km/l)	NA	6.9	NA	7.1
CO Emissions (kg)	0.01	0.04	0.01	0.07
NOx Emissions (kg)	0.00	0.01	0.00	0.01
VOC Emissions (kg)	0.00	0.01	0.00	0.02
Unserved Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

8: strada Veronica Micle & strada Mihai Eminescu

Direction	WB	SB	All
Future Volume (vph)	166	144	310
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	1.00	0.46
Stops (#)	0	144	144
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	9	18	27
Fuel Consumed (l)	1	5	6
Fuel Economy (km/l)	NA	3.7	4.7
CO Emissions (kg)	0.02	0.09	0.11
NOx Emissions (kg)	0.00	0.02	0.02
VOC Emissions (kg)	0.00	0.02	0.02
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

9: bd. Bucuresti

Direction	EB	WB	NE	All
Future Volume (vph)	823	502	612	1937
Control Delay / Veh (s/v)	0	0	127	40
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	127	40
Total Delay (hr)	0	0	22	22
Stops / Veh	0.00	0.00	0.50	0.16
Stops (#)	0	0	306	306
Average Speed (km/hr)	50	50	3	12
Total Travel Time (hr)	4	1	23	29
Distance Traveled (km)	203	74	75	352
Fuel Consumed (l)	19	7	74	100
Fuel Economy (km/l)	10.5	10.5	1.0	3.5
CO Emissions (kg)	0.36	0.13	1.37	1.86
NOx Emissions (kg)	0.07	0.03	0.26	0.36
VOC Emissions (kg)	0.08	0.03	0.32	0.43
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

24: acces Kaufland

Direction	EB	WB	SW	All
Future Volume (vph)	192	38	146	376
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00
Stops (#)	192	38	146	376
Average Speed (km/hr)	49	49	50	50
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	18	6	23	48
Fuel Consumed (l)	6	1	6	13
Fuel Economy (km/l)	3.0	4.3	4.3	3.7
CO Emissions (kg)	0.11	0.03	0.10	0.24
NOx Emissions (kg)	0.02	0.01	0.02	0.05
VOC Emissions (kg)	0.03	0.01	0.02	0.06
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

26: strada Democratiei & Semenicolui

Direction	NB	SB	NW	All
Future Volume (vph)	225	455	284	964
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.00	0.00	0.00
Stops (#)	0	0	0	0
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	1	4	1	6
Distance Traveled (km)	47	182	49	278
Fuel Consumed (l)	4	17	5	26
Fuel Economy (km/l)	10.5	10.5	10.5	10.5
CO Emissions (kg)	0.08	0.32	0.09	0.49
NOx Emissions (kg)	0.02	0.06	0.02	0.09
VOC Emissions (kg)	0.02	0.07	0.02	0.11
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

27: Lupeni

Direction	EB	SE	NW	All
Future Volume (vph)	58	34	75	167
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.50	0.00	0.00	0.17
Stops (#)	29	0	0	29
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	9	2	16	26
Fuel Consumed (l)	1	0	1	3
Fuel Economy (km/l)	5.8	NA	10.5	8.3
CO Emissions (kg)	0.03	0.00	0.03	0.06
NOx Emissions (kg)	0.01	0.00	0.01	0.01
VOC Emissions (kg)	0.01	0.00	0.01	0.01
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

28: strada Democratiei & Acces pasaj

Direction	WB	NB	All
Future Volume (vph)	117	329	446
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	1	1
Distance Traveled (km)	11	37	48
Fuel Consumed (l)	1	4	5
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.02	0.07	0.08
NOx Emissions (kg)	0.00	0.01	0.02
VOC Emissions (kg)	0.00	0.02	0.02
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

30: strada Democratiei & Acces Democratiei

Direction	WB	NB	SB	All
Future Volume (vph)	95	202	455	752
Control Delay / Veh (s/v)	12	0	2	3
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	12	0	2	3
Total Delay (hr)	0	0	0	1
Stops / Veh	0.49	0.00	0.41	0.31
Stops (#)	47	0	188	235
Average Speed (km/hr)	21	50	44	40
Total Travel Time (hr)	1	0	2	3
Distance Traveled (km)	11	15	94	120
Fuel Consumed (l)	3	1	14	18
Fuel Economy (km/l)	3.7	10.5	6.8	6.6
CO Emissions (kg)	0.06	0.03	0.26	0.34
NOx Emissions (kg)	0.01	0.00	0.05	0.07
VOC Emissions (kg)	0.01	0.01	0.06	0.08
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

32: Semenicolui

Direction	WB	NB	All
Future Volume (vph)	25	83	108
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.49	0.38
Stops (#)	0	41	41
Average Speed (km/hr)	50	51	50
Total Travel Time (hr)	0	0	0
Distance Traveled (km)	13	5	18
Fuel Consumed (l)	1	1	3
Fuel Economy (km/l)	10.5	3.6	6.8
CO Emissions (kg)	0.02	0.03	0.05
NOx Emissions (kg)	0.00	0.01	0.01
VOC Emissions (kg)	0.01	0.01	0.01
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

Network Totals

Number of Intersections	15
Control Delay / Veh (s/v)	21
Queue Delay / Veh (s/v)	0
Total Delay / Veh (s/v)	21
Total Delay (hr)	77
Stops / Veh	0.37
Stops (#)	4797
Average Speed (km/hr)	21
Total Travel Time (hr)	134
Distance Traveled (km)	2857
Fuel Consumed (l)	593
Fuel Economy (km/l)	4.8
CO Emissions (kg)	11.03
NOx Emissions (kg)	2.13
VOC Emissions (kg)	2.54
Unserved Vehicles (#)	0
Vehicles in dilemma zone (#)	0
Performance Index	90.5

Lungimi de siruri in asteptare

Intersection: 1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LT	LT	TR
Maximum Queue (m)	15.8	116.3	18.6	47.0	454.7	450.5
Average Queue (m)	11.8	53.5	9.3	28.0	246.1	210.1
95th Queue (m)	15.8	114.4	22.2	49.7	494.5	482.0
Link Distance (m)	12.4	193.6	193.6	73.9	623.5	623.5
Upstream Blk Time (%)	60					
Queuing Penalty (veh)	85					
Storage Bay Dist (m)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: strada Depoului

Movement	EB	EB	WB	SB	SB	SB	SB
Directions Served	LT	T	TR	L	L	R	R
Maximum Queue (m)	122.9	117.3	22.5	86.3	77.3	8.9	9.0
Average Queue (m)	97.8	69.6	12.4	74.5	66.7	3.5	2.8
95th Queue (m)	127.6	139.3	24.9	103.1	82.2	10.6	8.8
Link Distance (m)	276.5	276.5	162.3	73.9	73.9	73.9	73.9
Upstream Blk Time (%)				71	72		
Queuing Penalty (veh)				88	89		
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 3: strada Depoului

Movement	EB	WB
Directions Served	L	TR
Maximum Queue (m)	21.5	25.9
Average Queue (m)	13.3	15.2
95th Queue (m)	26.4	29.1
Link Distance (m)	162.3	82.2
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 4: strada Depoului/acces Kaufland & strada Democratiei

Movement	WB	SB
Directions Served	TR	LR
Maximum Queue (m)	16.6	14.0
Average Queue (m)	10.1	4.2
95th Queue (m)	20.0	13.5
Link Distance (m)	72.0	58.9
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: bd. Bucuresti & strada Democratiei

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)	

Intersection: 6: Lupeni & A.Iachimescu

Movement	EB
Directions Served	LR
Maximum Queue (m)	5.7
Average Queue (m)	3.4
95th Queue (m)	8.0
Link Distance (m)	282.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Lupeni

Movement	NE
Directions Served	LR
Maximum Queue (m)	8.6
Average Queue (m)	3.3
95th Queue (m)	9.9
Link Distance (m)	213.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 8: strada Veronica Micle & strada Mihai Eminescu

Movement	SB
Directions Served	L
Maximum Queue (m)	89.8
Average Queue (m)	41.5
95th Queue (m)	91.0
Link Distance (m)	121.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: bd. Bucuresti

Movement	NE
Directions Served	R
Maximum Queue (m)	48.0
Average Queue (m)	26.0
95th Queue (m)	44.5
Link Distance (m)	95.7
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Lungimi de siruri in asteptare

Intersection: 24: acces Kaufland

Movement	SW
Directions Served	LR
Maximum Queue (m)	1.8
Average Queue (m)	0.7
95th Queue (m)	2.2
Link Distance (m)	134.4
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 26: strada Democratiei & Semenicolui

Movement	NW
Directions Served	R
Maximum Queue (m)	9.2
Average Queue (m)	1.8
95th Queue (m)	7.9
Link Distance (m)	139.0
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: Lupeni

Movement	EB	NW
Directions Served	LR	LT
Maximum Queue (m)	12.0	8.4
Average Queue (m)	4.2	1.7
95th Queue (m)	11.5	7.3
Link Distance (m)	136.3	206.9
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 28: strada Democratiei & Acces pasaj

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)

Intersection: 30: strada Democratiei & Acces Democratiei

Movement

WB

SB

Directions Served

L

LT

Maximum Queue (m)

15.3

22.3

Average Queue (m)

3.1

11.1

95th Queue (m)

13.1

23.3

Link Distance (m)

111.8

48.6

Upstream Blk Time (%)

Queuing Penalty (veh)

Storage Bay Dist (m)

Storage Blk Time (%)

0

Queuing Penalty (veh)

0

Intersection: 32: Semenicolui

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)

Network Summary

Network wide Queuing Penalty: 262

Anexa 7

Raport analiza software Solutia propusa, trafic aferent anului 2025

1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Direction	EB	WB	NB	SB	All
Future Volume (vph)	168	592	578	1041	2379
Control Delay / Veh (s/v)	0	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0	0
Total Delay (hr)	0	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00	1.00
Stops (#)	168	592	578	1041	2379
Average Speed (km/hr)	50	50	50	50	50
Total Travel Time (hr)	0	3	1	14	18
Distance Traveled (km)	9	146	64	686	905
Fuel Consumed (l)	5	27	19	88	139
Fuel Economy (km/l)	1.9	5.4	3.4	7.8	6.5
CO Emissions (kg)	0.09	0.50	0.35	1.65	2.59
NOx Emissions (kg)	0.02	0.10	0.07	0.32	0.50
VOC Emissions (kg)	0.02	0.12	0.08	0.38	0.60
Unserviced Vehicles (#)	0	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0	0

2: strada Depoului

Direction	EB	WB	SB	All
Future Volume (vph)	777	297	590	1664
Control Delay / Veh (s/v)	5	0	6455	2291
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	5	0	6455	2291
Total Delay (hr)	1	0	1058	1059
Stops / Veh	0.97	0.00	0.50	0.63
Stops (#)	757	0	295	1052
Average Speed (km/hr)	41	50	0	0
Total Travel Time (hr)	6	1	1059	1066
Distance Traveled (km)	232	56	66	354
Fuel Consumed (l)	42	5	2944	2991
Fuel Economy (km/l)	5.5	10.5	0.0	0.1
CO Emissions (kg)	0.78	0.10	54.75	55.63
NOx Emissions (kg)	0.15	0.02	10.57	10.74
VOC Emissions (kg)	0.18	0.02	12.63	12.83
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

3: strada Depoului

Direction	EB	WB	All
Future Volume (vph)	713	565	1278
Control Delay / Veh (s/v)	6	0	3
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	6	0	3
Total Delay (hr)	1	0	1
Stops / Veh	1.25	0.00	0.70
Stops (#)	892	0	892
Average Speed (km/hr)	34	50	37
Total Travel Time (hr)	4	1	5
Distance Traveled (km)	135	51	186
Fuel Consumed (l)	36	5	41
Fuel Economy (km/l)	3.7	10.5	4.5
CO Emissions (kg)	0.67	0.09	0.76
NOx Emissions (kg)	0.13	0.02	0.15
VOC Emissions (kg)	0.16	0.02	0.18
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

4: strada Depoului/acces Kaufland & strada Democratiei

Direction	EB	WB	SB	All
Future Volume (vph)	271	305	450	1026
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.50	0.00	0.15
Stops (#)	0	152	0	152
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	1	1	2
Distance Traveled (km)	24	29	33	86
Fuel Consumed (l)	2	6	3	12
Fuel Economy (km/l)	10.5	4.7	10.5	7.4
CO Emissions (kg)	0.04	0.11	0.06	0.22
NOx Emissions (kg)	0.01	0.02	0.01	0.04
VOC Emissions (kg)	0.01	0.03	0.01	0.05
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

5: bd. Bucuresti & strada Democratiei

Direction	NB	SE	All
Future Volume (vph)	979	1693	2672
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	9	5	14
Distance Traveled (km)	444	250	694
Fuel Consumed (l)	42	24	66
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.78	0.44	1.23
NOx Emissions (kg)	0.15	0.09	0.24
VOC Emissions (kg)	0.18	0.10	0.28
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

6: Lupeni & A.Iachimescu

Direction	EB	SE	NW	All
Future Volume (vph)	29	63	71	163
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	0.00	0.00	0.18
Stops (#)	29	0	0	29
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	15	13	4	32
Fuel Consumed (l)	2	1	0	4
Fuel Economy (km/l)	7.2	10.5	NA	8.7
CO Emissions (kg)	0.04	0.02	0.01	0.07
NOx Emissions (kg)	0.01	0.00	0.00	0.01
VOC Emissions (kg)	0.01	0.01	0.00	0.02
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

7: Lupeni

Direction	SE	NW	NE	All
Future Volume (vph)	66	95	15	176
Control Delay / Veh (s/v)	0	2	10	2
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	2	10	2
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.39	1.00	0.30
Stops (#)	0	37	15	52
Average Speed (km/hr)	50	44	31	43
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	7	20	3	30
Fuel Consumed (l)	1	3	1	4
Fuel Economy (km/l)	NA	6.9	NA	7.0
CO Emissions (kg)	0.01	0.05	0.01	0.08
NOx Emissions (kg)	0.00	0.01	0.00	0.02
VOC Emissions (kg)	0.00	0.01	0.00	0.02
Unserved Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

8: strada Veronica Micle & strada Mihai Eminescu

Direction	WB	SB	All
Future Volume (vph)	195	168	363
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	1.00	0.46
Stops (#)	0	168	168
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	0	1
Distance Traveled (km)	10	21	32
Fuel Consumed (l)	1	6	7
Fuel Economy (km/l)	NA	3.7	4.7
CO Emissions (kg)	0.02	0.11	0.13
NOx Emissions (kg)	0.00	0.02	0.02
VOC Emissions (kg)	0.00	0.02	0.03
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

9: bd. Bucuresti

Direction	EB	WB	NE	All
Future Volume (vph)	972	592	721	2285
Control Delay / Veh (s/v)	0	0	294	93
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	294	93
Total Delay (hr)	0	0	59	59
Stops / Veh	0.00	0.00	0.50	0.16
Stops (#)	0	0	360	360
Average Speed (km/hr)	50	50	1	6
Total Travel Time (hr)	5	2	61	67
Distance Traveled (km)	240	87	88	415
Fuel Consumed (l)	23	8	179	210
Fuel Economy (km/l)	10.5	10.5	0.5	2.0
CO Emissions (kg)	0.42	0.15	3.33	3.91
NOx Emissions (kg)	0.08	0.03	0.64	0.76
VOC Emissions (kg)	0.10	0.04	0.77	0.90
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

24: acces Kaufland

Direction	EB	WB	SW	All
Future Volume (vph)	227	44	173	444
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	1.00	1.00	1.00	1.00
Stops (#)	227	44	173	444
Average Speed (km/hr)	50	49	50	50
Total Travel Time (hr)	0	0	1	1
Distance Traveled (km)	22	7	28	57
Fuel Consumed (l)	7	2	7	15
Fuel Economy (km/l)	3.0	4.3	4.3	3.7
CO Emissions (kg)	0.13	0.03	0.12	0.29
NOx Emissions (kg)	0.03	0.01	0.02	0.06
VOC Emissions (kg)	0.03	0.01	0.03	0.07
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

26: strada Democratiei & Semenicolui

Direction	NB	SB	NW	All
Future Volume (vph)	266	537	335	1138
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.00	0.00	0.00	0.00
Stops (#)	0	0	0	0
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	1	4	1	7
Distance Traveled (km)	55	215	58	328
Fuel Consumed (l)	5	20	5	31
Fuel Economy (km/l)	10.5	10.5	10.5	10.5
CO Emissions (kg)	0.10	0.38	0.10	0.58
NOx Emissions (kg)	0.02	0.07	0.02	0.11
VOC Emissions (kg)	0.02	0.09	0.02	0.13
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

27: Lupeni

Direction	EB	SE	NW	All
Future Volume (vph)	68	40	89	197
Control Delay / Veh (s/v)	0	0	0	0
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	0	0	0	0
Total Delay (hr)	0	0	0	0
Stops / Veh	0.50	0.00	0.00	0.17
Stops (#)	34	0	0	34
Average Speed (km/hr)	50	50	50	50
Total Travel Time (hr)	0	0	0	1
Distance Traveled (km)	10	2	19	31
Fuel Consumed (l)	2	0	2	4
Fuel Economy (km/l)	5.8	NA	10.5	8.4
CO Emissions (kg)	0.03	0.00	0.03	0.07
NOx Emissions (kg)	0.01	0.00	0.01	0.01
VOC Emissions (kg)	0.01	0.00	0.01	0.02
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

28: strada Democratiei & Acces pasaj

Direction	WB	NB	All
Future Volume (vph)	137	388	525
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.00	0.00
Stops (#)	0	0	0
Average Speed (km/hr)	50	50	50
Total Travel Time (hr)	0	1	1
Distance Traveled (km)	13	44	57
Fuel Consumed (l)	1	4	5
Fuel Economy (km/l)	10.5	10.5	10.5
CO Emissions (kg)	0.02	0.08	0.10
NOx Emissions (kg)	0.00	0.01	0.02
VOC Emissions (kg)	0.01	0.02	0.02
Unserviced Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

30: strada Democratiei & Acces Democratiei

Direction	WB	NB	SB	All
Future Volume (vph)	113	237	537	887
Control Delay / Veh (s/v)	13	0	2	3
Queue Delay / Veh (s/v)	0	0	0	0
Total Delay / Veh (s/v)	13	0	2	3
Total Delay (hr)	0	0	0	1
Stops / Veh	0.50	0.00	0.46	0.34
Stops (#)	56	0	247	303
Average Speed (km/hr)	19	50	43	39
Total Travel Time (hr)	1	0	3	4
Distance Traveled (km)	13	17	111	141
Fuel Consumed (l)	4	2	17	22
Fuel Economy (km/l)	3.6	10.5	6.5	6.3
CO Emissions (kg)	0.07	0.03	0.32	0.42
NOx Emissions (kg)	0.01	0.01	0.06	0.08
VOC Emissions (kg)	0.02	0.01	0.07	0.10
Unserviced Vehicles (#)	0	0	0	0
Vehicles in dilemma zone (#)	0	0	0	0

32: Semenicolui

Direction	WB	NB	All
Future Volume (vph)	29	98	127
Control Delay / Veh (s/v)	0	0	0
Queue Delay / Veh (s/v)	0	0	0
Total Delay / Veh (s/v)	0	0	0
Total Delay (hr)	0	0	0
Stops / Veh	0.00	0.50	0.39
Stops (#)	0	49	49
Average Speed (km/hr)	50	51	50
Total Travel Time (hr)	0	0	0
Distance Traveled (km)	15	6	21
Fuel Consumed (l)	1	2	3
Fuel Economy (km/l)	10.5	3.6	6.8
CO Emissions (kg)	0.03	0.03	0.06
NOx Emissions (kg)	0.01	0.01	0.01
VOC Emissions (kg)	0.01	0.01	0.01
Unserved Vehicles (#)	0	0	0
Vehicles in dilemma zone (#)	0	0	0

Network Totals

Number of Intersections	15
Control Delay / Veh (s/v)	263
Queue Delay / Veh (s/v)	0
Total Delay / Veh (s/v)	263
Total Delay (hr)	1120
Stops / Veh	0.39
Stops (#)	5914
Average Speed (km/hr)	3
Total Travel Time (hr)	1187
Distance Traveled (km)	3368
Fuel Consumed (l)	3555
Fuel Economy (km/l)	0.9
CO Emissions (kg)	66.12
NOx Emissions (kg)	12.76
VOC Emissions (kg)	15.25
Unserved Vehicles (#)	0
Vehicles in dilemma zone (#)	0
Performance Index	1136.2

Lungimi de siruri in asteptare

Intersection: 1: strada Veronica Micle/bd. Bucuresti & DJ 101D

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LT	LT	TR
Maximum Queue (m)	15.8	91.5	13.5	22.3	493.8	480.7
Average Queue (m)	13.7	38.4	2.7	10.6	265.7	227.8
95th Queue (m)	16.4	94.7	11.6	27.1	502.7	470.2
Link Distance (m)	12.4	193.6	193.6	73.9	623.5	623.5
Upstream Blk Time (%)	66					
Queuing Penalty (veh)	112					
Storage Bay Dist (m)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: strada Depoului

Movement	EB	EB	WB	SB	SB	SB	SB
Directions Served	LT	T	TR	L	L	R	R
Maximum Queue (m)	281.1	276.4	30.5	85.2	85.6	15.2	14.7
Average Queue (m)	197.6	172.0	10.5	75.7	74.7	4.8	4.7
95th Queue (m)	320.2	305.4	29.0	95.1	93.6	15.0	14.7
Link Distance (m)	276.5	276.5	162.3	73.9	73.9	73.9	73.9
Upstream Blk Time (%)	6	0		61	60		
Queuing Penalty (veh)	0	0		89	87		
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 3: strada Depoului

Movement	EB	WB
Directions Served	L	TR
Maximum Queue (m)	28.1	35.0
Average Queue (m)	13.2	17.7
95th Queue (m)	32.0	37.1
Link Distance (m)	162.3	82.2
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Lungimi de siruri in asteptare

Intersection: 4: strada Depoului/acces Kaufland & strada Democratiei

Movement	EB	WB	SB
Directions Served	LT	TR	LR
Maximum Queue (m)	8.9	23.7	7.4
Average Queue (m)	1.8	13.3	2.3
95th Queue (m)	7.7	23.3	7.4
Link Distance (m)	82.2	72.0	58.9
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (m)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: bd. Bucuresti & strada Democratiei

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)

Intersection: 6: Lupeni & A.Iachimescu

Movement	EB
Directions Served	LR
Maximum Queue (m)	5.6
Average Queue (m)	3.2
95th Queue (m)	7.5
Link Distance (m)	282.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Lungimi de siruri in asteptare

Intersection: 7: Lupeni

Movement	NW	NE
Directions Served	LT	LR
Maximum Queue (m)	9.3	8.6
Average Queue (m)	1.9	3.5
95th Queue (m)	8.0	10.4
Link Distance (m)	191.8	213.5
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: strada Veronica Micle & strada Mihai Eminescu

Movement	SB
Directions Served	L
Maximum Queue (m)	98.8
Average Queue (m)	44.9
95th Queue (m)	94.0
Link Distance (m)	121.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: bd. Bucuresti

Movement	NE
Directions Served	R
Maximum Queue (m)	50.9
Average Queue (m)	33.4
95th Queue (m)	58.8
Link Distance (m)	95.7
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Lungimi de siruri in asteptare

Intersection: 24: acces Kaufland

Movement	SW
Directions Served	LR
Maximum Queue (m)	1.3
Average Queue (m)	0.3
95th Queue (m)	1.1
Link Distance (m)	134.4
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 26: strada Democratiei & Semenicolui

Movement	NB	NW
Directions Served	T	R
Maximum Queue (m)	15.6	6.1
Average Queue (m)	3.1	1.2
95th Queue (m)	13.4	5.3
Link Distance (m)	112.7	139.0
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 27: Lupeni

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)

Lungimi de siruri in asteptare

Intersection: 28: strada Democratiei & Acces pasaj

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)

Intersection: 30: strada Democratiei & Acces Democratiei

Movement

WB

SB

Directions Served

L

LT

Maximum Queue (m)

8.7

21.6

Average Queue (m)

3.5

14.5

95th Queue (m)

10.4

22.2

Link Distance (m)

111.8

48.6

Upstream Blk Time (%)

Queuing Penalty (veh)

Storage Bay Dist (m)

Storage Blk Time (%)

Queuing Penalty (veh)

Intersection: 32: Semenicolui

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)

Network Summary

Network wide Queuing Penalty: 288

Anexa 8

Planse













