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Development of recommendations for improving the transport system of the city of Jizzakh city



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Intersection



Camera position





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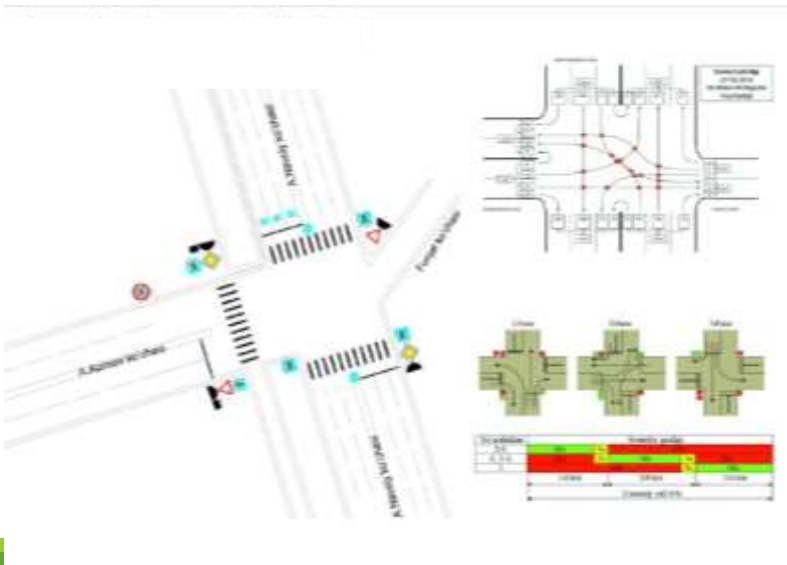
INTRAS

Number of vehicles entering the intersection



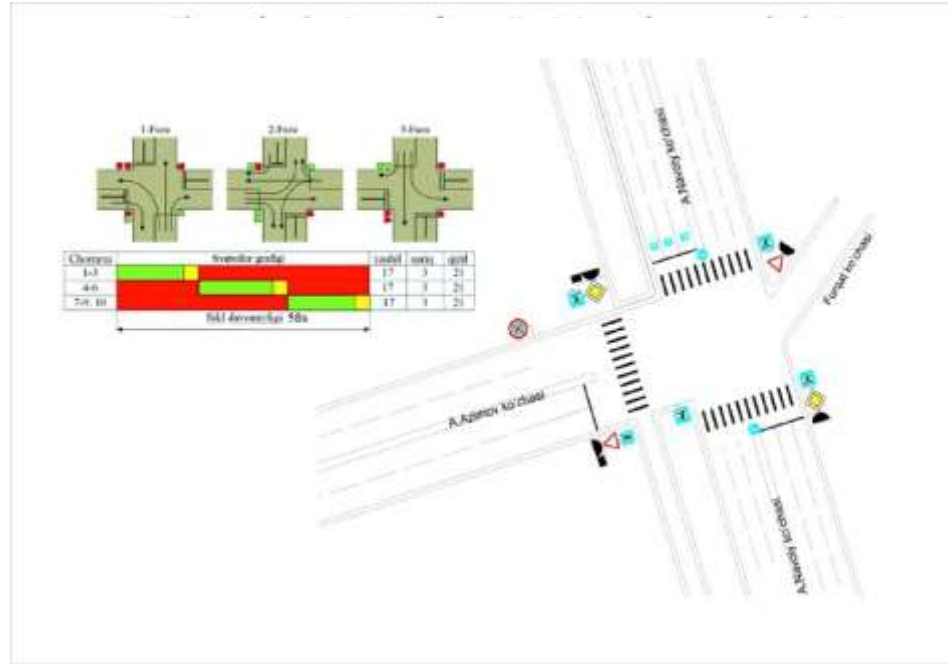
Street name	Entering the intersection	Total	Including along the routes			
			↑	↪	↩	↶
Sh.Rashidov	A	1813	1039	762	12	
A.Navoiy	B	1069	15	289	765	
Sh.Rashidov	C	1441	986	10	445	
Furqat	D	64	28	10	26	

Current situation of the intersection “Sh.Rashidov-A.Navoiy-Furkat”



No	Type of transport problem	Sh.Rashidov (Hokimiyat)	Sh.Rashidov (Market)	A.Navoiy
1	Traffic jam (m)	260	110	90
2	Lost time (min)	4,9	1,36	0,9
3	Average speed (km/hour)	37	43	50,9
4	Fuel consumption (m3)	22,6	3,8	5,4

The current status is compared with the changed status of the traffic light cycle



№	Type of transport problem	Sh.Rashidov (Hokimiyat)		Sh.Rashidov (Market)		A.Navoiy	
		Current	Cycle changed	Current	Cycle changed	Current	Cycle changed
1	Traffic jam (m)	260	240	110	57	90	68
2	Lost time (min)	4,9	1,9	0,5	0,9	0,91	0,9
3	Average speed (km/hour)	37	34	43	35	50,9	49
4	Fuel consumption (m3)	22,6	5,7	3,8	3,55	5,4	5,7

According to the changed state of the route Analysis of Emission entering the environment when changing the traffic light cycle



№	Type of emission	Sh.Rashidov (Hakimiyat)		Sh.Rashidov (Market)		A.Navoiy	
		Current	Changed cycle	Current	Changed cycle	Current	Changed cycle
1	Fuel consumption (m3)	22,6	2,6	3,8	1,8	5,4	2,6
2	CO (Carbon monoxide)	15,852	10,314	4,378	2,56	4,542	3,229
3	NOx (Nitrogen)	3,09	2,768	5,112	2,448	4,416	3,768
4	VOC (volatile organic matter)	3,678	2,448	0,515	0,486	5,262	4,488

Name of street	Mode of movement according to the current position	According to the changed state of the routes
A.Navoiy		
Furkat		

The current position is compared with the changed position of the routes of movement

№	Type of transport problem	Sh.Rashidov (Hakimiyat)		Sh.Rashidov (Market)		A.Navoiy	
		Current	Route changed	Current	Route changed	Current	Route changed
1	Traffic jam (m)	260	289	110	110	90	50
2	Lost time (min)	295	447,68	82,28	98,22	54	0
3	Average speed (km/hour)	37	30,5	43	41,4	50,9	50,6
4	Fuel consumption (m3)	22,6	3,05	3,8	2,35	5,4	2,35

SIMULATION

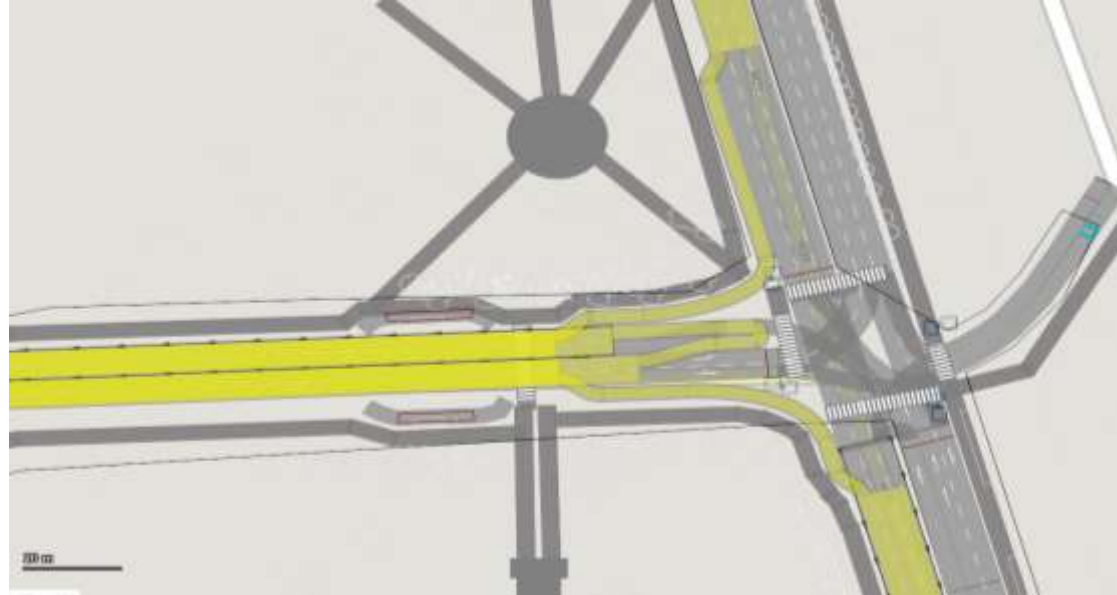
Current situation



Routes changed situation



The current status is compared with the changed status



№	Type of transport problem	Sh.Rashidov (Hakimiyat)		Sh.Rashidov (Market)		A.Navoiy	
		Current	Adding pocket path	Current	Adding pocket path	Current	Adding pocket path
1	Traffic jam (m)	260	30	110	33	90	20
2	Lost time (min)	4,9	1,2	1,2	1,1	0,9	0,2
3	Average speed (km/hour)	37	50	43	48	50,9	52
4	Fuel consumption (m3)	22,6	2,6	3,8	1,8	5,4	2,6

Analysis of emission entering the environment when adding a pocket path



№	Type of emission	Sh.Rashidov (Hakimiyat)		Sh.Rashidov (Market)		A.Navoiy	
		Current	Adding pocket path	Current	Adding pocket path	Current	Adding pocket path
1	Ёқилғи сарфи (м3)	22,6	2,6	3,8	1,8	5,4	2,6
2	CO (Карбон моноксид)	15,852	5,142	4,378	2,286	4,542	3,9
3	NOx (Азот оксиди)	3,09	1,00	5,112	4,446	4,416	1,128
4	VOC (Учувчи органик моддалар)	3,678	1,191	0,515	0,33	5,262	1,344

SIMULATION

Current situation



Recommended situation



Q&A



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