

Координаты маршрута по районам города				
№	Координаты пункта 1970	ИТС 2005		
		X(m)	Y(m)	
961	4412970005	4677639727	550438425	
962	4412900005	4677639727	550438425	
963	4412910005	4677639727	550438425	
964	4412913002	4677639681	550437883	
965	4412913002	4677639681	550437883	
966	4412913002	4677639681	550437883	
967	4412913002	4677639681	550437883	
968	4412913002	4677639681	550437883	
969	4412913002	4677639681	550437883	
970	4412913002	4677639681	550437883	
971	4412913002	4677639681	550437883	
972	4412913002	4677639681	550437883	
973	4412913002	4677639681	550437883	
974	4412913002	4677639681	550437883	
975	4412913002	4677639681	550437883	
976	4412913002	4677639681	550437883	
977	4412913002	4677639681	550437883	
978	4412913002	4677639681	550437883	
979	4412913002	4677639681	550437883	
980	4412913002	4677639681	550437883	
981	4412913002	4677639681	550437883	
982	4412913002	4677639681	550437883	
983	4412913002	4677639681	550437883	
984	4412913002	4677639681	550437883	
985	4412913002	4677639681	550437883	
986	4412913002	4677639681	550437883	
987	4412913002	4677639681	550437883	
988	4412913002	4677639681	550437883	
989	4412913002	4677639681	550437883	
990	4412913002	4677639681	550437883	
991	4412913002	4677639681	550437883	
992	4412913002	4677639681	550437883	
993	4412913002	4677639681	550437883	
994	4412913002	4677639681	550437883	
995	4412913002	4677639681	550437883	
996	4412913002	4677639681	550437883	
997	4412913002	4677639681	550437883	
998	4412913002	4677639681	550437883	
999	4412913002	4677639681	550437883	
1000	4412913002	4677639681	550437883	

№	Коэффициент рецессии по вариантам в ГИП				№	Коэффициент рецессии по вариантам в ГИП				№	Коэффициент рецессии по вариантам в ГИП			
	%	Y1990	Y1992	Y1994		%	Y1990	Y1992	Y1994		%	Y1990	Y1992	Y1994
1	41,102260	41,959492	40,777183	35,626,845	42	41,494180	40,660197	40,777183	35,626,845	43	41,494180	40,660197	40,777183	
2	41,102260	41,959492	40,777183	35,626,845	44	41,494180	40,660197	40,777183	35,626,845	45	41,494180	40,660197	40,777183	
3	41,102260	41,959492	40,777183	35,626,845	46	41,494180	40,660197	40,777183	35,626,845	47	41,494180	40,660197	40,777183	
4	41,102260	41,959492	40,777183	35,626,845	48	41,494180	40,660197	40,777183	35,626,845	49	41,494180	40,660197	40,777183	
5	41,102260	41,959492	40,777183	35,626,845	50	41,494180	40,660197	40,777183	35,626,845	51	41,494180	40,660197	40,777183	
6	41,102260	41,959492	40,777183	35,626,845	52	41,494180	40,660197	40,777183	35,626,845	53	41,494180	40,660197	40,777183	
7	41,102260	41,959492	40,777183	35,626,845	54	41,494180	40,660197	40,777183	35,626,845	55	41,494180	40,660197	40,777183	
8	41,102260	41,959492	40,777183	35,626,845	56	41,494180	40,660197	40,777183	35,626,845	57	41,494180	40,660197	40,777183	
9	41,102260	41,959492	40,777183	35,626,845	58	41,494180	40,660197	40,777183	35,626,845	59	41,494180	40,660197	40,777183	
10	41,102260	41,959492	40,777183	35,626,845	60	41,494180	40,660197	40,777183	35,626,845	61	41,494180	40,660197	40,777183	
11	41,102260	41,959492	40,777183	35,626,845	62	41,494180	40,660197	40,777183	35,626,845	63	41,494180	40,660197	40,777183	
12	41,102260	41,959492	40,777183	35,626,845	64	41,494180	40,660197	40,777183	35,626,845	65	41,494180	40,660197	40,777183	
13	41,102260	41,959492	40,777183	35,626,845	66	41,494180	40,660197	40,777183	35,626,845	67	41,494180	40,660197	40,777183	
14	41,102260	41,959492	40,777183	35,626,845	68	41,494180	40,660197	40,777183	35,626,845	69	41,494180	40,660197	40,777183	
15	41,102260	41,959492	40,777183	35,626,845	70	41,494180	40,660197	40,777183	35,626,845	71	41,494180	40,660197	40,777183	
16	41,102260	41,959492	40,777183	35,626,845	72	41,494180	40,660197	40,777183	35,626,845	73	41,494180	40,660197	40,777183	
17	41,102260	41,959492	40,777183	35,626,845	74	41,494180	40,660197	40,777183	35,626,845	75	41,494180	40,660197	40,777183	
18	41,102260	41,959492	40,777183	35,626,845	76	41,494180	40,660197	40,777183	35,626,845	77	41,494180	40,660197	40,777183	
19	41,102260	41,959492	40,777183	35,626,845	78	41,494180	40,660197	40,777183	35,626,845	79	41,494180	40,660197	40,777183	
20	41,102260	41,959492	40,777183	35,626,845	80	41,494180	40,660197	40,777183	35,626,845	81	41,494180	40,660197	40,777183	
21	41,102260	41,959492	40,777183	35,626,845	82	41,494180	40,660197	40,777183	35,626,845	83	41,494180	40,660197	40,777183	
22	41,102260	41,959492	40,777183	35,626,845	84	41,494180	40,660197	40,777183	35,626,845	85	41,494180	40,660197	40,777183	
23	41,102260	41,959492	40,777183	35,626,845	86	41,494180	40,660197	40,777183	35,626,845	87	41,494180	40,660197	40,777183	
24	41,102260	41,959492	40,777183	35,626,845	88	41,494180	40,660197	40,777183	35,626,845	89	41,494180	40,660197	40,777183	
25	41,102260	41,959492	40,777183	35,626,845	90	41,494180	40,660197	40,777183	35,626,845	91	41,494180	40,660197	40,777183	
26	41,102260	41,959492	40,777183	35,626,845	92	41,494180	40,660197	40,777183	35,626,845	93	41,494180	40,660197	40,777183	
27	41,102260	41,959492	40,777183	35,626,845	94	41,494180	40,660197	40,777183	35,626,845	95	41,494180	40,660197	40,777183	
28	41,102260	41,959492	40,777183	35,626,845	96	41,494180	40,660197	40,777183	35,626,845	97	41,494180	40,660197	40,777183	
29	41,102260	41,959492	40,777183	35,626,845	98	41,494180	40,660197	40,777183	35,626,845	99	41,494180	40,660197	40,777183	
30	41,102260	41,959492	40,777183	35,626,845	100	41,494180	40,660197	40,777183	35,626,845	101	41,494180	40,660197	40,777183	
31	41,102260	41,959492	40,777183	35,626,845	102	41,494180	40,660197	40,777183	35,626,845	103	41,494180	40,660197	40,777183	
32	41,102260	41,959492	40,777183	35,626,845	104	41,494180	40,660197	40,777183	35,626,845	105	41,494180	40,660197	40,777183	
33	41,102260	41,959492	40,777183	35,626,845	106	41,494180	40,660197	40,777183	35,626,845	107	41,494180	40,660197	40,777183	
34	41,102260	41,959492	40,777183	35,626,845	108	41,494180	40,660197	40,777183	35,626,845	109	41,494180	40,660197	40,777183	
35	41,102260	41,959492	40,777183	35,626,845	110	41,494180	40,660197	40,777183	35,626,845	111	41,494180	40,660197	40,777183	
36	41,102260	41,959492	40,777183	35,626,845	112	41,494180	40,660197	40,777183	35,626,845	113	41,494180	40,660197	40,777183	
37	41,102260	41,959492	40,777183	35,626,845	114	41,494180	40,660197	40,777183	35,626,845	115	41,494180	40,660197	40,777183	
38	41,102260	41,959492	40,777183	35,626,845	116	41,494180	40,660197	40,777183	35,626,845	117	41,494180	40,660197	40,777183	
39	41,102260	41,959492	40,777183	35,626,845	118	41,494180	40,660197	40,777183	35,626,845	119	41,494180	40,660197	40,777183	
40	41,102260	41,959492	40,777183	35,626,845	120	41,494180	40,660197	40,777183	35,626,845	121	41,494180	40,660197	40,777183	
41	41,102260	41,959492	40,777183	35,626,845	122	41,494180	40,660197	40,777183	35,626,845	123	41,494180	40,660197	40,777183	
42	41,102260	41,959492	40,777183	35,626,845	124	41,494180	40,660197	40,777183	35,626,845	125	41,494180	40,660197	40,777183	
43	41,102260	41,959492	40,777183	35,626,845	126	41,494180	40,660197	40,777183	35,626,845	127	41,494180	40,660197	40,777183	
44	41,102260	41,959492	40,777183	35,626,845	128	41,494180	40,660197	40,777183	35,626,845	129	41,494180	40,660197	40,777183	
45	41,102260	41,959492	40,777183	35,626,845	130	41,494180	40,660197	40,777183	35,626,845	131	41,494180	40,660197	40,777183	
46	41,102260	41,959492	40,777183	35,626,845	132	41,494180	40,660197	40,777183	35,626,845	133	41,494180	40,660197	40,777183	
47	41,102260	41,959492	40,777183	35,626,845	134	41,494180	40,660197	40,777183	35,626,845	135	41,494180	40,660197	40,777183	
48	41,102260	41,959492	40,777183	35,626,845	136	41,494180	40,660197	40,777183	35,626,845	137	41,494180	40,660197	40,777183	
49	41,102260	41,959492	40,777183	35,626,845	138	41,494180	40,660197	40,777183	35,626,845	139	41,494180	40,660197	40,777183	
50	41,102260	41,959492	40,777183	35,626,845	140	41,494180	40,660197	40,777183	35,626,845	141	41,494180	40,660197	40,777183	
51	41,102260	41,959492	40,777183	35,626,845	142	41,494180	40,660197	40,777183	35,626,845	143	41,494180	40,660197	40,777183	
52	41,102260	41,959492	40,777183	35,626,845	144	41,494180	40,660197	40,777183	35,626,845	145	41,494180	40,660197	40,777183	
53	41,102260	41,959492	40,777183	35,626,845	146	41,494180	40,660197	40,777183	35,626,845	147	41,494180	40,660197	40,777183	
54	41,102260	41,959492	40,777183	35,626,845	148	41,494180	40,660197	40,777183	35,626,845	149	41,494180	40,660197	40,777183	
55	41,102260	41,959492	40,777183	35,626,845	150	41,494180	40,660197	40,777183	35,626,845	151	41,494180	40,660197	40,777183	
56	41,102260	41,959492	40,777183	35,626,845	152	41,494180	40,660197	40,777183	35,626,845	153	41,494180	40,660197	40,777183	
57	41,102260	41,959492	40,777183	35,626,845	154	41,494180	40,660197	40,777183	35,626,845	155	41,494180	40,660197	40,777183	
58	41,102260	41,959492	40,777183	35,626,845	156	41,494180	40,660197	40,777183	35,626,845	157	41,494180	40,660197	40,777183	
59	41,102260	41,959492	40,777183	35,626,845	158	41,494180	40,660197	40,777183	35,626,845	159	41,494180	40,660197	40,777183	
60	41,102260	41,959492	40,777183	35,626,845	160	41,494180	40,660197	40,777183	35,626,845	161	41,494180	40,660197	40,777183	
61	41,102260	41,959492	40,777183	35,626,845	162	41,494180	40,660197	40,777183	35,626,845	163	41,494180	40,660197	40,777183	
62	41,102260	41,959492	40,777183	35,626,845	164	41,494180	40,660197	40,777183	35,626,845	165	41,494180	40,660197	40,777183	
63	41,102260	41,959492	40,777183	35,626,845	166	41,494180	40,660197	40,777183	35,626,845	167	41,494180	40,660197	40,777183	
64	41,102260	41,959492	40,777183	35,626,845	168	41,494180	40,660197	40,777183	35,626,845	169	41,494180	40,660197	40,777183	
65	41,102260	41,959492	40,777183	35,626,845	170	41,494180	40,660197	40,777183	35,626,845	171	41,494180	40,660197	40,777183	
66	41,102260	41,959492	40,777183	35,626,845	172	41,494180	40,660197	40,777183	35,626,845	173	41,494180	40,660197	40,777183	
67	41,102260	41,959492	40,777183	35,626,845	174	41,494180	40,660197	40,777183	35,626,845	175	41,494180	40,660197</		

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