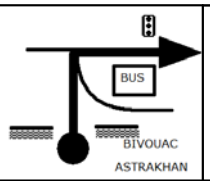
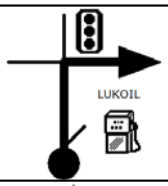
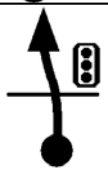
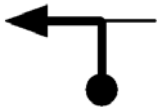
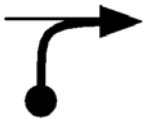
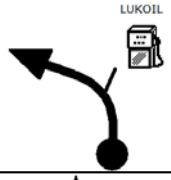
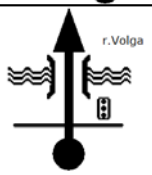
1 / 2	ASSISTANCE Astrakhan-Grozny	482,38 Km

0,00 1 0,00		ASTRAKHAN-01	N 46.340754900 E 48.068768321	N 46°20.445 E 48°04.126
0,53 2 0,53		LUKOIL-02	N 46.337756660 E 48.065601567	N 46°20.265 E 48°03.936
1,95 3 1,42		03	N 46.346931632 E 48.057589969	N 46°20.815 E 48°03.455
2,42 4 0,47		04	N 46.351074996 E 48.057961574	N 46°21.064 E 48°03.477
2,55 5 0,13		05	N 46.351629948 E 48.056671629	N 46°21.097 E 48°03.400
3,61 6 1,06		LUKOIL-06	N 46.360891578 E 48.056218275	N 46°21.653 E 48°03.373
4,24 7 0,63		07	N 46.361963278 E 48.048299951	N 46°21.717 E 48°02.897
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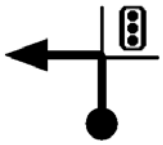
8,68 9 1,54		09	N 46.382784896 E 48.006764931	N 46°22.967 E 48°00.405
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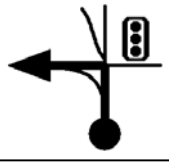
13,51 11 3,68		11	N 46.386758465 E 47.947867889	N 46°23.205 E 47°56.872

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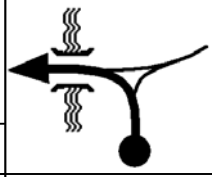
18,27 12 4,76		12	N 46.348883252 E 47.926613301	N 46°20.932 E 47°55.596
29,63 13 11,36		>MAHACHKALA-13	N 46.268371650 E 47.857999995	N 46°16.102 E 47°51.479
52,90 14 23,27		14	N 46.103550007 E 47.739021408	N 46°06.213 E 47°44.341
53,81 15 0,91		15	N 46.098383289 E 47.733344988	N 46°05.902 E 47°44.000
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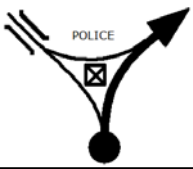
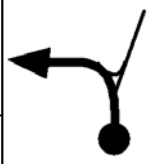
83,49 17 28,41		17	N 45.873173276 E 47.599806572	N 45°52.390 E 47°35.988
96,20 18 12,71		18	N 45.880636645 E 47.437529921	N 45°52.838 E 47°26.251
113,29 19 17,09		>MAHACHKALA-19	N 45.791266608 E 47.283038300	N 45°47.475 E 47°16.982
159,32 20 46,03		>MAHACHKALA-20	N 45.429523248 E 47.049816581	N 45°25.771 E 47°02.988
170,94 21 11,62		>MAHACHKALA-21	N 45.431366652 E 46.901879913	N 45°25.881 E 46°54.112
236,63 22 65,69		22	N 44.899071654 E 46.621368313	N 44°53.944 E 46°37.282

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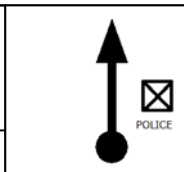
239,42 23 2,79		DAGESTAN-23	N 44.875198328 E 46.610796567	N 44°52.511 E 46°36.647
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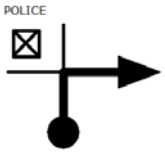
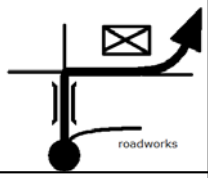
295,81 25 2,63		25	N 44.373438331 E 46.552123321	N 44°22.406 E 46°33.127
358,54 26 62,73		26	N 43.846514316 E 46.649985952	N 43°50.790 E 46°38.999
360,17 27 1,63		27	N 43.831858331 E 46.649929923	N 43°49.911 E 46°38.995
379,80 28 19,63		28	N 43.735821602 E 46.478556634	N 43°44.149 E 46°28.713
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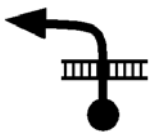
424,15 31 37,10		31	N 43.488143255 E 46.159556598	N 43°29.288 E 46°09.573
449,19 32 25,04		32	N 43.504988316 E 45.868571650	N 43°30.299 E 45°52.114
449,97 33 0,78		33	N 43.504063252 E 45.859103300	N 43°30.243 E 45°51.546

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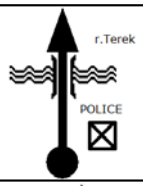
452,01 34 2,04		34	N 43.495796589 E 45.842049918	N 43°29.747 E 45°50.522
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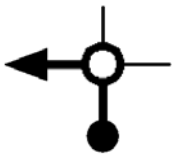
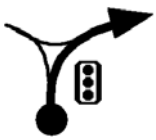
476,21 37 4,65		37	N 43.343031617 E 45.704659916	N 43°20.581 E 45°42.279
476,66 38 0,45		38	N 43.339553237 E 45.704074974	N 43°20.373 E 45°42.244
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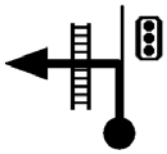
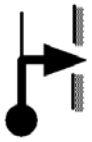
481,67 40 2,75		40	N 43.311236660 E 45.660453331	N 43°18.674 E 45°39.627
482,35 41 0,68		41	N 43.306131627 E 45.664166606	N 43°18.367 E 45°39.849
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