

**Table S1.** Collected data for 1-3 road type (-1-RS state road (1st class), 2-RS state road (2nd class), 3-Serbia two lane).

	Country	Road Type	Mark	SL (m)	AADT (veh/day)	TT	TA	Slopes	Lane width
1	RS	1	157	7193	1306	1	16	2	>6m
2	RS	1	154	23254	1328	1	17	2	>6m
3	RS	1	155	2718	7340	1	9	2	>6m
4	RS	1	156	6532	2638	1	13	2	>6m
5	RS	1	153	25681	4327	1	25	2	>6m
6	RS	1	385	5734	5567	1	20	2	>6m
7	RS	1	390	2649	8969	1	8	2	>6m
8	RS	1	389	1999	4604	1	5	2	>6m
9	RS	1	382	26756	1753	1	27	2	>6m
10	RS	1	419	6500	4817	1	21	2	>6m
11	RS	1	399	1682	4620	1	14	2	>6m
12	RS	1	400	13427	2689	1	21	2	>6m
13	RS	1	386	20979	2867	1	29	2	>6m
14	RS	1	391	21991	4748	1	23	2	>6m
15	RS	1	387	20035	4712	1	8	2	>6m
16	RS	1	421	1387	3974	1	2	2	>6m
17	RS	1	168	19226	561	3	2	2	>6m
18	RS	1	158	32205	2275	2	52	2	>6m
19	RS	1	159	2679	8399	1	10	2	>6m
20	RS	1	167	19145	1137	2	4	2	>6m
21	RS	1	160	21126	3352	1	35	2	>6m
22	RS	1	190	6535	1401	2	4	2	>6m
23	RS	1	180	12255	9989	1	86	2	>6m
24	RS	1	189	32786	3716	2	97	2	>6m
25	RS	1	182	659	22913	1	7	2	>6m
26	RS	1	183	8347	13864	1	70	2	>6m
27	RS	1	181	19776	9483	1	144	2	>6m
28	RS	1	188	6692	7102	1	41	2	>6m
29	RS	1	213	14303	5487	1	25	2	>6m
30	RS	1	220	4622	14921	1	26	2	>6m
31	RS	1	210	1322	4624	1	2	2	>6m
32	RS	1	218	5978	9197	1	19	2	>6m
33	RS	1	214	1350	6345	1	10	2	>6m
34	RS	1	216	10452	4277	1	12	2	>6m
35	RS	1	219	6307	14284	1	84	2	>6m
36	RS	1	211	1484	5378	1	6	2	>6m
37	RS	1	212	2876	5357	1	9	2	>6m
38	RS	1	217	5577	8699	1	10	2	>6m
39	RS	1	215	16232	4203	1	15	2	>6m
40	RS	1	450	6871	5992	2	11	2	>6m
41	RS	1	451	14073	4421	1	16	2	>6m
42	RS	1	273	580	6833	1	7	2	>6m

43	RS	1	326	3559	4550	1	4	2	>6m
44	RS	1	277	1788	3109	1	4	2	>6m
45	RS	1	275	11265	3387	1	19	2	>6m
46	RS	1	274	5165	7839	1	31	2	>6m
47	RS	1	327	6858	5518	1	13	2	>6m
48	RS	1	280	11972	1962	2	12	2	>6m
49	RS	1	255	1840	6957	1	1	2	>6m
50	RS	1	256	10805	2510	1	7	2	>6m
51	RS	1	250	15135	5496	1	14	2	>6m
52	RS	1	254	15450	6637	2	18	2	>6m
53	RS	1	278	12021	1732	2	21	2	>6m
54	RS	1	253	1675	8060	2	3	2	>6m
55	RS	1	456	8298	3909	1	3	2	>6m
56	RS	1	287	7242	2905	2	9	2	>6m
57	RS	1	291	269	4402	3	6	2	>6m
58	RS	1	292	27483	1853	3	29	2	>6m
59	RS	1	286	17977	4079	1	72	2	>6m
60	RS	1	285	734	13389	1	3	2	>6m
61	RS	1	288	11558	2822	2	27	2	>6m
62	RS	1	289	12775	2943	2	20	2	>6m
63	RS	1	294	21559	3993	2	60	2	>6m
64	RS	1	293	3598	7381	2	16	2	>6m
65	RS	1	295	5030	5469	2	32	2	>6m
66	RS	1	284	20950	6408	1	77	2	>6m
67	RS	1	290	20317	2123	3	20	2	>6m
68	RS	1	457	9321	1612	2	9	2	>6m
69	RS	1	460	28598	2764	2	59	2	>6m
70	RS	1	461	6422	2552	2	19	2	>6m
71	RS	1	41	15350	3704	1	32	2	>6m
72	RS	1	8	10451	6763	1	30	2	>6m
73	RS	1	3	534	5256	1	2	2	>6m
74	RS	1	40	3140	4305	1	1	2	>6m
75	RS	1	12	14967	9668	1	79	2	>6m
76	RS	1	42	350	19379	1	1	2	>6m
77	RS	1	43	240	2558	1	3	2	>6m
78	RS	1	20	16734	6498	1	18	2	>6m
79	RS	1	18	11590	6422	2	28	2	>6m
80	RS	1	10	8739	8120	1	22	2	>6m
81	RS	1	11	13752	6007	1	30	2	>6m
82	RS	1	4	753	5523	1	3	2	>6m
83	RS	1	5	951	6002	1	4	2	>6m
84	RS	1	6	6026	4401	1	6	2	>6m
85	RS	1	19	20134	4143	2	8	2	>6m
86	RS	1	9	10429	10280	1	66	2	>6m
87	RS	1	13	918	7156	1	12	2	>6m
88	RS	1	21	6646	9216	1	8	2	>6m
89	RS	1	15	2728	16000	1	9	2	>6m

90	RS	1	100	10950	2794	2	6	2	>6m
91	RS	1	65	10605	2552	1	12	2	>6m
92	RS	1	105	6226	994	1	13	2	>6m
93	RS	1	90	6884	7784	1	34	2	>6m
94	RS	1	64	13812	2369	1	13	2	>6m
95	RS	1	68	1145	2180	1	1	2	>6m
96	RS	1	91	4460	5330	2	11	2	>6m
97	RS	1	99	2840	2132	1	2	2	>6m
98	RS	1	67	11627	2749	2	10	2	>6m
99	RS	1	92	15660	1932	2	16	2	>6m
100	RS	1	66	6003	3301	2	9	2	>6m
101	RS	1	97	11195	2424	1	9	2	>6m
102	RS	1	98	12890	2005	1	8	2	>6m
103	RS	1	101	660	3404	1	14	2	>6m
104	RS	1	102	320	6513	1	1	2	>6m
105	RS	1	104	12610	1559	1	7	2	>6m
106	RS	1	132	15818	1537	2	13	2	>6m
107	RS	1	136	40798	1249	1	37	2	>6m
108	RS	1	133	16615	1367	2	9	2	>6m
109	RS	1	137	2122	9357	1	13	2	>6m
110	RS	1	138	15908	1056	1	24	2	>6m
111	RS	1	139	8999	523	1	3	2	>6m
112	RS	1	373	10668	2290	2	1	2	>6m
113	RS	1	377	38210	1319	2	4	2	>6m
114	RS	1	374	434	4783	2	9	2	>6m
115	RS	1	375	280	8799	2	1	2	>6m
116	RS	1	376	11410	1810	2	4	2	>6m
117	RS	1	142	195	3065	2	7	2	>6m
118	RS	1	143	5335	932	2	4	2	>6m
119	RS	2	722	32400	1013	1	1	2	>6m
120	RS	2	731	12121	2233	1	2	1	>6m
121	RS	2	736	11765	3627	1	14	2	>6m
122	RS	2	737	8345	4527	1	14	2	>6m
123	RS	2	741	11999	1078	1	3	2	>6m
124	RS	2	740	1106	2411	1	2	2	>6m
125	RS	2	744	2007	901	1	4	2	>6m
126	RS	2	745	3953	3574	1	6	2	>6m
127	RS	2	755	31782	1308	1	25	2	>6m
128	RS	2	754	10980	1557	1	11	2	>6m
129	RS	2	753	21062	1786	1	21	2	>6m
130	RS	2	756	25000	1043	1	7	2	>6m
131	RS	2	768	25959	815	2	3	2	>6m
132	RS	2	765	45100	411	3	3	2	>6m
133	RS	2	771	26025	814	2	9	2	>6m
134	RS	2	781	16905	1601	2	12	2	>6m
135	RS	2	782	25744	1081	1	12	2	>6m
136	RS	2	783	1643	12504	1	8	2	>6m

137	RS	2	784	241	10280	1	87	2	>6m
138	RS	2	785	31349	2337	1	13	2	>6m
139	RS	2	787	241	9705	1	19	2	>6m
140	RS	2	789	821	4287	1	2	2	>6m
141	RS	2	790	15431	3296	2	11	2	>6m
142	RS	2	791	838	1845	1	6	2	>6m
143	RS	2	792	12133	914	1	1	2	>6m
144	RS	2	796	21705	4649	2	19	2	>6m
145	RS	2	797	17800	344	1	2	2	>6m
146	RS	2	799	22000	365	1	1	2	>6m
147	RS	2	800	25244	3427	2	21	2	>6m
148	RS	2	801	23000	1706	2	8	2	>6m
149	RS	2	802	28127	1110	2	1	2	>6m
150	RS	2	805	15004	2398	1	7	2	>6m
151	RS	2	803	17500	918	1	3	2	>6m
152	RS	2	804	30260	605	1	2	2	>6m
153	RS	2	806	22000	1434	1	4	2	>6m
154	RS	2	807	31000	1247	1	3	2	>6m
155	RS	2	809	9234	10238	1	39	2	>6m
156	RS	2	811	21650	1557	1	5	2	>6m
157	RS	2	487	28451	1683	2	77	2	>6m
158	RS	2	494	20425	471	1	7	2	>6m
159	RS	2	495	20916	1315	1	3	2	>6m
160	RS	2	519	42772	3434	2	38	2	>6m
161	RS	2	520	13582	2815	2	24	2	>6m
162	RS	2	521	19091	445	2	1	2	>6m
163	RS	2	522	14215	506	2	18	2	>6m
164	RS	2	532	35822	1030	2	47	2	>6m
165	RS	2	533	11102	1177	1	7	2	>6m
166	RS	2	534	29389	602	2	15	2	>6m
167	RS	2	537	16000	254	2	3	2	>6m
168	RS	2	574	32287	319	1	1	2	>6m
169	RS	2	577	28605	1204	1	10	2	>6m
170	RS	2	576	13311	1395	1	3	2	>6m
171	RS	2	582	14476	1201	2	8	2	>6m
172	RS	2	585	7067	983	2	4	2	>6m
173	RS	2	584	49492	188	1	3	2	>6m
174	RS	2	589	16780	417	1	4	2	>6m
175	RS	2	590	6040	525	1	1	2	>6m
176	RS	2	594	16707	109	1	1	2	>6m
177	RS	2	598	29350	458	2	1	2	>6m
178	RS	2	599	31904	640	2	7	3	>6m
179	RS	2	614	34000	745	2	5	2	>6m
180	RS	2	653	5000	928	2	16	2	>6m
181	Serbia	3	2201	7500	25581	2	37	2	>6m
182	Serbia	3	2202	2200	19335	2	10	2	>6m
183	Serbia	3	2203	2700	17472	2	8	1	>6m

184	Serbia	3	2204	3100	13275	2	10	1	>6m
185	Serbia	3	2205	600	13142	1	2	1	>6m
186	Serbia	3	2206	12700	9619	1	27	1	>6m
187	Serbia	3	2208	14400	8615	1	20	1	>6m
188	Serbia	3	2209	4500	12701	1	11	1	>6m
189	Serbia	3	2210	4100	6166	1	2	1	>6m
190	Serbia	3	2211	6400	4953	1	3	1	>6m
191	Serbia	3	2212	8800	4231	1	4	1	>6m
192	Serbia	3	2239	800	4442	1	1	1	>6m
193	Serbia	3	2240	800	5447	1	1	1	>6m
194	Serbia	3	2214	3100	4180	1	2	1	>6m
195	Serbia	3	2215	5700	2387	3	0	3	>6m
196	Serbia	3	2216	9700	2285	3	5	3	>6m
197	Serbia	3	2217	10700	2176	3	1	3	>6m
198	Serbia	3	2218	9600	5078	3	1	3	>6m
199	Serbia	3	2219	2700	6674	1	2	2	>6m
200	Serbia	3	2237	14500	10026	2	17	2	>6m
201	Serbia	3	2238	800	11749	1	6	1	>6m
202	Serbia	3	2221	12300	13860	1	23	1	>6m
203	Serbia	3	2222	19900	8579	1	43	1	>6m
204	Serbia	3	2224	6800	10056	3	8	3	>6m
205	Serbia	3	2225	39100	7079	3	34	3	>6m
206	Serbia	3	2226	5200	5167	3	8	3	>6m
207	Serbia	3	2227	9600	4956	3	16	3	>6m
208	Serbia	3	2228	8200	6043	3	10	3	>6m
209	Serbia	3	2229	9300	6808	3	17	3	>6m
210	Serbia	3	2231	17400	7179	3	19	3	>6m
211	Serbia	3	2232	300	10635	3	3	3	>6m
212	Serbia	3	2234	24400	7372	3	52	3	>6m
213	Serbia	3	2235	12600	2979	3	7	3	>6m
214	Serbia	3	2236	3400	1966	3	1	3	>6m
215	Serbia	3	2301	3900	9011	1	13	1	>6m
216	Serbia	3	2302	11900	10193	1	16	1	>6m
217	Serbia	3	2303	6700	6209	1	5	1	>6m
218	Serbia	3	2304	5000	5498	1	1	1	>6m
219	Serbia	3	2305	8500	8353	1	9	1	>6m
220	Serbia	3	2306	11200	11382	1	6	1	>6m
221	Serbia	3	2307	9100	9449	1	14	1	>6m
222	Serbia	3	2308	1200	9543	1	1	1	>6m
223	Serbia	3	2309	2200	9066	1	7	1	>6m
224	Serbia	3	2310	12700	8160	1	28	1	>6m
225	Serbia	3	2311	3600	4276	1	4	1	>6m
226	Serbia	3	2312	7100	9720	1	48	1	>6m
227	Serbia	3	2313	1800	21178	1	7	1	>6m
228	Serbia	3	2314	4400	19059	1	17	1	>6m
229	Serbia	3	2315	1300	17125	1	5	1	>6m
230	Serbia	3	2316	7000	15191	1	16	1	>6m

231	Serbia	3	2317	17900	11940	3	26	2	>6m
232	Serbia	3	2318	5000	11249	3	11	2	>6m
233	Serbia	3	2319	2900	9111	1	5	1	>6m
234	Serbia	3	2320	22100	13483	2	70	2	>6m
235	Serbia	3	2321	7700	13465	2	32	2	>6m
236	Serbia	3	2322	7000	13447	3	14	2	>6m
237	Serbia	3	2323	7700	13136	3	10	2	>6m
238	Serbia	3	2324	3700	5844	3	6	3	>6m
239	Serbia	3	2325	27500	4541	3	18	3	>6m
240	Serbia	3	2327	8300	4872	3	8	3	>6m
241	Serbia	3	2328	15200	4854	3	13	3	>6m
242	Serbia	3	2329	9900	5250	3	10	2	>6m
243	Serbia	3	2330	5100	9065	3	12	2	>6m
244	Serbia	3	2332	30200	3435	3	16	2	>6m
245	Serbia	3	3301	600	6998	1	2	1	>6m
246	Serbia	3	3302	1400	9525	1	0	1	>6m
247	Serbia	3	3303	11100	11793	1	10	1	>6m
248	Serbia	3	3304	1500	8665	1	1	1	>6m
249	Serbia	3	3305	2200	4367	1	1	1	>6m
250	Serbia	3	3306	2900	4586	1	2	1	5-6m
251	Serbia	3	3307	5300	6742	1	4	2	5-6m
252	Serbia	3	3325	14200	2414	1	8	2	5-6m
253	Serbia	3	3309	4900	1848	2	1	2	5-6m
254	Serbia	3	3310	10900	2067	2	3	2	5-6m
255	Serbia	3	3311	6100	1598	2	1	2	5-6m
256	Serbia	3	3312	8100	2193	2	12	2	5-6m
257	Serbia	3	3313	40900	1953	3	20	3	5-6m
258	Serbia	3	3314	8800	1471	3	3	3	5-6m
259	Serbia	3	3315	25200	809	3	10	3	5-6m
260	Serbia	3	3316	7300	728	2	2	2	>6m
261	Serbia	3	3317	11100	491	3	1	3	>6m
262	Serbia	3	3318	7900	640	2	1	2	>6m
263	Serbia	3	3319	14900	1181	2	2	2	>6m
264	Serbia	3	3320	1300	3725	1	1	2	>6m
265	Serbia	3	3322	11000	2344	2	8	2	>6m
266	Serbia	3	3323	2200	244	2	1	2	>6m
267	Serbia	3	3401	5200	5479	1	6	1	>6m
268	Serbia	3	3402	2700	4486	1	7	1	>6m
269	Serbia	3	3403	5100	7879	1	15	1	>6m
270	Serbia	3	3404	200	6553	1	1	1	5-6m
271	Serbia	3	3405	6400	5191	1	10	1	5-6m
272	Serbia	3	3406	12400	4127	1	18	1	5-6m
273	Serbia	3	3407	12100	3921	2	17	2	5-6m
274	Serbia	3	3408	2600	3269	2	2	2	5-6m
275	Serbia	3	3409	9100	3078	2	6	2	5-6m
276	Serbia	3	3410	51400	1254	3	14	2	5-6m
277	Serbia	3	3411	9100	1914	3	5	2	>6m

278	Serbia	3	3412	1800	917	3	1	2	>6m
279	Serbia	3	3413	46900	840	3	7	2	>6m
280	Serbia	3	3901	4200	2316	2	1	2	>6m
281	Serbia	3	3902	15400	833	2	3	2	>6m
282	Serbia	3	3903	4400	1843	3	3	3	>6m
283	Serbia	3	3904	17300	1125	3	3	2	5–6m
284	Serbia	3	3905	4100	731	3	0	2	5–6m
285	Serbia	3	03906co1	11700	1392	3	4	3	5–6m
286	Serbia	3	03906co2	4200	1809	3	14	3	5–6m
287	Serbia	3	3907	7000	5697	1	10	1	>6m
288	Serbia	3	3908	4800	5983	1	9	1	>6m
289	Serbia	3	3912	19000	4552	1	13	1	>6m
290	Serbia	3	3914	1600	1284	1	1	1	>6m
291	Serbia	3	3915	17900	1377	3	4	3	5–6m
292	Serbia	3	3916	7800	944	3	2	3	5–6m
293	Serbia	3	3917	12400	341	3	2	3	5–6m

Terrain type: level (1), rolling (2), mountains (3); curvature: minimal (1), severe (2), serpentine (3); lane width (>6m, 5-6m, <5m)

**Table S2.** Collected data for road 4 (Serbia highways)

	AADT	SL	TT	SPL	EI	DI	F	PDO	TA
1	7724	4.2	1	130	1	2	0	4	7
2	9347	12.6	1	130	0	1	1	8	10
3	10386	6.3	1	130	0	0	0	2	2
4	11049	3.5	1	130	0	0	0	3	3
5	11509	11.1	1	130	2	1	1	10	14
6	10039	12.4	1	130	5	1	0	8	14
7	11273	10.3	1	130	1	1	0	4	6
8	11219	10.4	1	130	1	0	0	8	9
9	11457	10.1	1	130	2	2	0	6	10
10	15283	12.8	1	130	3	1	0	7	11
11	16256	16.5	1	130	4	4	2	9	19
12	8928	1.7	1	130	1	1	0	0	2
13	8928	2.5	1	130	0	2	0	3	5
14	8928	4.5	1	130	0	0	0	2	2
15	24265	10.8	1	130	7	1	0	8	16
16	24437	12.9	1	130	6	4	2	16	28
17	24197	4.3	1	130	2	0	0	6	8
18	26344	4.8	1	130	1	0	1	5	7
19	27760	10.6	1	130	3	0	0	8	11
20	29666	2.8	1	130	0	2	0	5	7
21	34496	4.4	1	130	0	2	0	5	7
22	28286	6.2	1	130	7	2	0	12	21
23	39253	8.3	1	130	5	1	1	15	22
24	31771	3.6	1	130	2	1	0	11	14
25	30202	3.9	1	130	0	0	0	9	9
26	20341	6.1	1	130	3	3	1	11	18

27	16273	8.3	1	130	6	1	11	11	29
28	14043	4	2	100–130	4	0	0	3	7
29	44276	2.9	1	130	2	0	0	13	15
30	40620	4.4	2	130	1	0	1	5	7
31	39824	14.3	2	130	4	1	1	28	34
32	29959	6.5	2	130	1	0	0	6	7
33	29197	6	1	130	0	0	0	1	1
34	26898	6.3	1	130	2	1	0	8	11
35	27124	5.7	1	130	0	0	0	9	9
36	28844	1.5	1	130	1	0	0	3	4
37	24972	28.8	1	130	3	1	1	21	26
38	25396	11.7	1	130	1	1	0	2	4
39	25419	6.4	1	130	0	2	0	5	7
40	25934	3.8	1	130	0	1	0	4	5
41	19330	21.9	1	130	3	0	0	2	5
42	21680	12.8	1	130	1	0	0	4	5
43	21747	10.8	1	130	2	0	0	3	5
44	20451	12.1	1	130	0	1	0	3	4
45	17379	12.7	1	130	0	1	0	3	4
46	17068	20.4	1	130	6	2	0	13	21
47	17444	5	1	130	0	0	0	3	3
48	19363	21.1	1	130	5	0	0	13	18
49	12586	3.4	1	130	1	0	0	2	3
50	11384	5.6	1	130	2	0	0	1	3
51	10946	10.6	1	130	0	0	0	4	4
52	9742	6	1	130	1	0	0	0	1
53	8962	7.3	1	130	1	2	1	4	8
54	9720	16.2	1	130	2	2	1	2	7
55	9332	11	2	100–130	0	1	0	4	5
56	8777	10.4	2	100–130	0	0	0	0	0
57	8200	14.2	2	100–130	1	1	0	4	6
58	6901	22.8	2	100–130	2	0	0	4	6
59	6334	13.5	1	130	2	2	0	2	6
60	5717	3.6	1	130	0	0	0	1	1
61	5574	20.7	1	130	0	0	0	4	4
62	5737	6.1	1	130	0	0	0	4	4
63	66985	29.5	1	130	0	0	0	4	4
64	15986	16.4	1	130	3	0	0	29	32
65	15372	26.1	1	130	6	2	1	41	50
66	14276	12.5	1	130	4	1	0	8	13
67	11190	20.3	1	130	3	2	1	14	20
68	11607	26.2	2	100–130	7	0	0	10	17
69	11155	16.7	2	100–130	2	2	0	11	15
70	5591	2.1	1	130	2	1	0	9	12
71	6078	6.6	1	130	1	0	0	1	2
72	7482	13.8	1	130	1	1	0	5	7
73	10840	21.7	1	130	2	3	1	9	15



74	14122	13.6	1	130	3	3	1	16	23
75	17845	11.8	1	130	2	0	0	8	10
76	17906	14.8	1	130	6	0	0	19	25
77	20224	7.8	1	130	0	1	1	13	15
78	33557	3.3	1	130	1	3	0	17	21

AADT-annual average daily traffic, SL-section length (km), TT-terrain type, SPL-speed limit, EI-evident injury, DI-disabling injury, F-fatality, PDO-property damage, TA-traffic accident