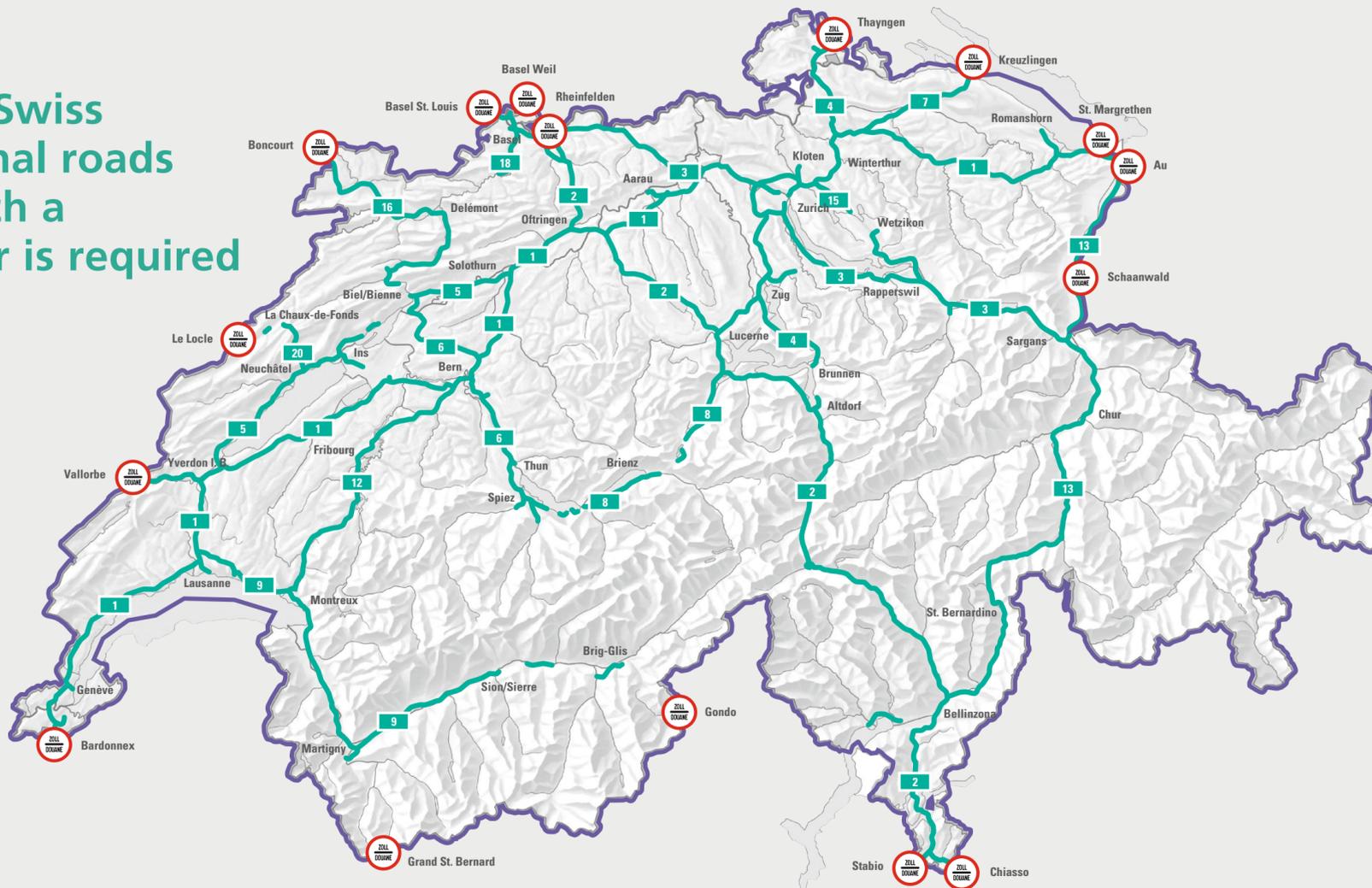


Stretches of the Swiss motorway/national roads network on which a motorway sticker is required

- Stretches on which a motorway sticker is required
- National border
- Customs post



Swiss Federal Roads Office FEDRO
 Federal Department of the Environment,
 Transport, Energy and Communications DETEC
 3003 Bern
 Phone 058 462 94 11
 info@astra.admin.ch
 www.astra.admin.ch

Schweizerische Eidgenossenschaft
 Confederation suisse
 Confederazione Svizzera
 Confederaziun svizra

Swiss Confederation

Swiss Federal Roads Office FEDRO

**ROAD TRAFFIC
 2022 STATISTICS**

From the FEDRO annual report

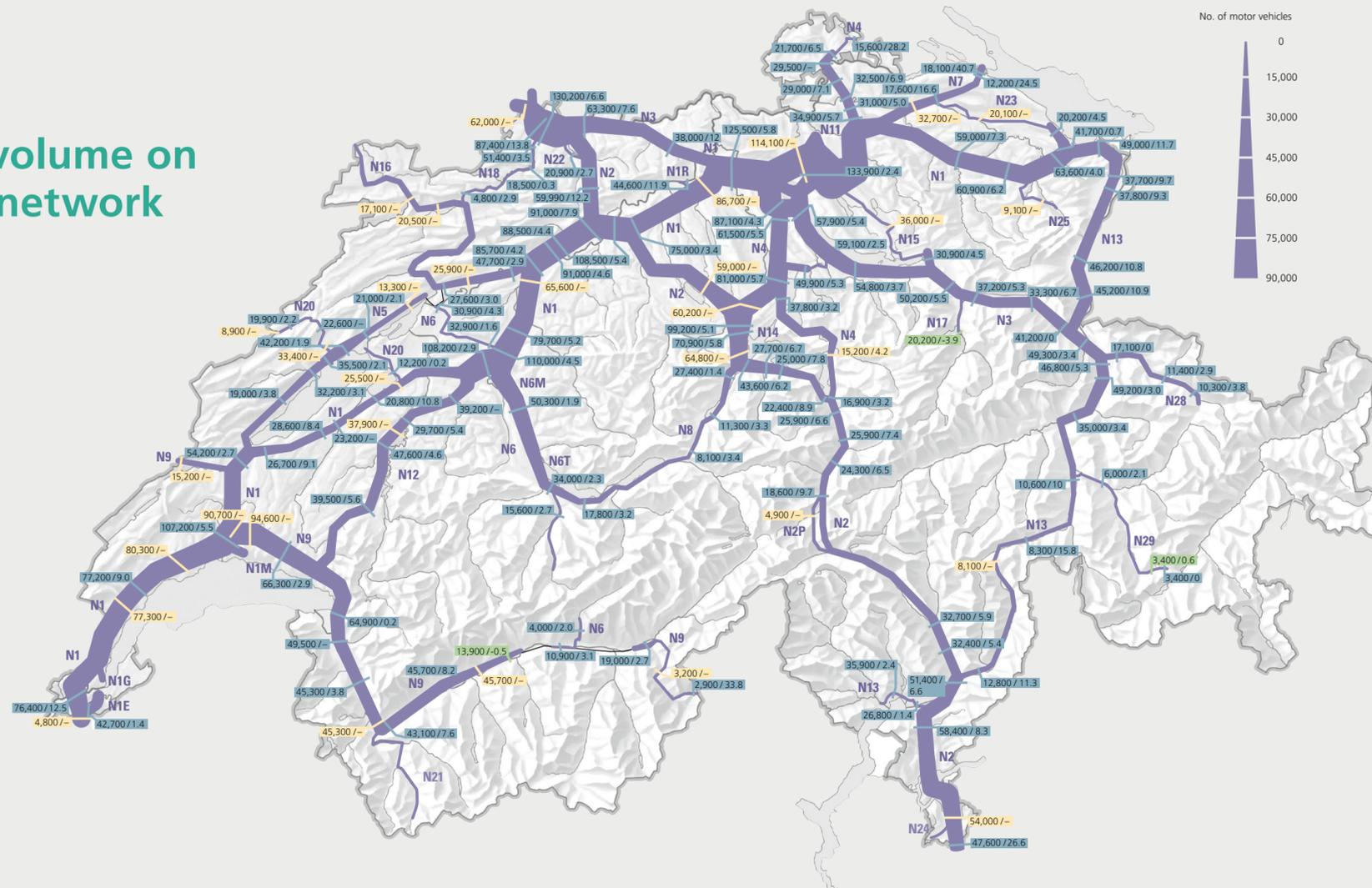
Map of traffic volume on the motorway network

Average daily traffic volume (DTV)

The measuring stations indicate the average daily traffic volume, i.e. the mean figure calculated from all the 24-hour traffic volume figures measured for every day of the year.

- Roads in operation
- Roads under construction or in the planning stage
- Daily traffic volume and traffic increase (versus the previous year, in %)
- Daily traffic volume and traffic decrease (versus the previous year, in %)
- Daily traffic volume – no figures for previous year

Source: geodata © swisstopo



Swiss Federal Roads Office FEDRO

Since it was established in 1998, the Swiss Federal Roads Office (FEDRO) has acted as the federal authority responsible for the country's road infrastructure and private motorised transport. As an administrative unit of the Federal Department of the Environment, Transport, Energy and Communications (DETEC) its main focus is on ensuring sustainable and safe mobility on Switzerland's roads.

Facts, figures, statistics

4,721,280 registered vehicles

639 employees
Tunnels: 281
Construction projects: 842

Vehicle kilometres on the network: **29 billion**

Connections: **481** 9 FEDRO locations
Drainage water treatment plants: **179**

Heavy vehicle inspection centres: **8** Large-scale wildlife corridors: **45**

2,258.9 kilometres Length of motorway/national roads network

Highest average daily traffic volume: **133,900 vehicles (Wallisellen)**

IT systems: **45** Traffic counting stations: **429**

Concluded contracts in 2022: **2,785** Expenditure: **3.40 billion Swiss francs**

Bridges: **4,400** (main axes and overpasses) Investment in infrastructure: **2.25 billion Swiss francs**

Service areas (restaurants): **49** (ownership by cantons)

HGVs via main transalpine routes: **879,000**

Rest areas (picnic): **122** Junctions: **52**

Highest daily traffic volume (DTV*) on Switzerland's motorways/national roads (no. of vehicles per day)

	DTV* 2022	Share of heavy vehicles (%), 2022	DTV* 2021	Share of heavy vehicles (%), 2021	Change in DTV* (%), 2021/2022	Change in DTV* (%), 2020/2021
Wallisellen (ZH)	133,888	4.5	130,700	5.5	2.4	3.9
Muttentz (BL)	130,171	6.4	122,161	6.6	6.6	7.1
Würenlos (AG)	125,501	6.8	118,611	7.2	5.8	3.0
Schönbühl Grauholz (BE)	110,020	6.5	105,325	6.6	4.5	6.0
Bern Forsthaus (BE)	108,193	*	105,142	5.1	2.9	6.5
Bern Felsenau viaduct (BE)	107,278	6.3	103,377	6.4	3.8	6.4
Oftringen/Rothrist (AG)	108,533	9.6	102,986	10.0	5.4	7.4
Renens (VD)	107,225	3.5	101,385	3.4	5.8	11.8
Lucerne, Reussport tunnel (LU)	99,194	4.1	94,400	4.2	5.1	5.9
Chiasso-Brodega (TI)	47,564	5.3	37,582	6.4	26.6	8.8
Camignolo (TI)	58,358	5.8	53,888	6.2	8.3	17.0
Geneva, Plan-les-Ouates (GE)	42,694	3.7	42,091	3.9	1.4	14.2
Chur Nord (GR)	49,167	4.0	47,727	4.2	3.0	8.7
St. Gallen Rosenberg tunnel (SG)	71,960	3.7	72,197	4.1	-0.3	3.0

* DTV = Average daily traffic volume

Transalpine goods traffic (no. of vehicles)

	2018	2019	2020	2021	2022	Change 2021/2022
Gotthard	677,091	642,855	628,349	661,836	677,523	+2.4%
Grand St Bernard	33,796	34,399	27,071	24,578	18,236	-25.8%
San Bernardino	143,847	131,376	117,200	129,116	126,835	-1.8%
Simplon	86,295	89,470	89,929	79,768	57,159	-28.3%
Total	941,029	898,100	862,549	895,298	879,752	-1.7%

No. of accidents on Swiss roads

	2018	2019	2020	2021	2022
Accidents resulting in material damage	36,345	35,767	31,765	34,781	35,750
Accidents resulting in fatalities and injuries	18,033	17,761	16,897	17,436	18,396
Accidents resulting in fatalities	228	179	224	194	228
Accidents resulting in serious injuries	3,640	3,454	3,619	3,741	3,763
<i>life-threatening injuries</i>	148	173	181	182	166
<i>severe injuries</i>	3,492	3,281	3,438	3,532	3,597
Accidents resulting in minor injuries	14,165	14,128	13,054	13,528	14,405
Total	54,378	53,528	48,662	52,217	54,146

No. of accidents resulting in fatalities/injuries on Swiss roads

	2018	2019	2020	2021	2022
Fatalities	233	187	227	200	241
Serious injuries	3,873	3,639	3,793	3,933	4,002
<i>life-threatening injuries</i>	158	184	188	193	176
<i>severe injuries</i>	3,715	3,455	3,605	3,740	3,826
Minor injuries	17,958	17,641	16,002	16,601	17,896
Total	22,064	21,467	20,022	20,734	26,141

No. of accidents on Swiss roads involving cyclists and e-bike users

	2014	2015	2016	2017	2018	2019	2020	2021	2022
Bicycles	3,327	3,405	3,374	3,393	3,629	3,428	3,637	3,938	3,991
E-bikes	450	599	674	820	1,047	1,257	1,690	2,186	2,644

Inventory of motor vehicles in Switzerland as of 31.12.2022

	Motor vehicles Total 2022	Total 2021	+/-	Cars 2022	+/- 2021/2022
Total	6,368,579	6,339,553	+0.46%	4,721,280	+0.25%
Lake Geneva region	1,163,443	1,161,829	+0.14%	868,669	-0.07%
Geneva	304,208	305,883	-0.55%	215,814	-0.93%
Valais	308,420	305,150	+1.07%	229,719	+0.89%
Vaud	550,815	550,796	0.00%	423,136	-0.15%
Central plateau	1,435,180	1,428,814	+0.45%	1,047,745	+0.24%
Bern	776,864	775,023	+0.24%	547,500	+0.03%
Fribourg	257,809	255,203	+1.02%	195,639	+0.90%
Jura	60,008	59,603	+0.68%	44,564	+0.23%
Neuchâtel	124,979	125,028	-0.04%	97,015	-0.15%
Solothurn	215,520	213,957	+0.73%	163,027	+0.39%
Northwest Switzerland	831,212	825,603	+0.68%	628,974	+0.31%
Aargau	544,030	538,977	+0.94%	412,986	+0.61%
Basel-Landschaft	202,155	200,889	+0.63%	152,254	+0.30%
Basel-Stadt	85,027	85,737	-0.83%	63,734	-1.55%
Zurich	987,608	984,958	+0.27%	754,340	+0.08%
Eastern Switzerland	969,177	963,765	+0.56%	702,539	+0.46%
Appenzell Ausserrhoden	44,937	45,016	-0.18%	32,391	-0.28%
Appenzell Innerrhoden	15,242	15,169	+0.48%	10,300	+0.56%
Glarus	33,219	33,327	-0.32%	24,297	-0.23%
Grisons	165,489	165,290	+0.12%	116,859	+0.21%
Schaffhausen	66,473	65,674	+1.22%	47,726	+1.05%
St. Gallen	394,890	392,193	+0.69%	290,796	+0.62%
Thurgau	248,927	247,096	+0.74%	180,170	+0.42%
Central Switzerland	675,623	668,448	+1.07%	496,430	+0.94%
Lucerne	311,355	309,311	+0.66%	222,910	+0.51%
Nidwalden	37,761	37,504	+0.69%	27,897	+0.41%
Obwalden	33,590	33,385	+0.61%	23,417	+0.02%
Schwyz	143,856	142,620	+0.87%	106,895	+0.61%
Uri	28,462	28,454	+0.03%	20,499	-0.07%
Zug	120,599	117,174	+2.92%	94,812	+2.97%
Ticino	306,336	306,136	+0.07%	222,583	-0.14%

Accumulated vehicle-kilometres on the Swiss motorway/national roads network

Year	Billion km	+/- in %	Heavy goods transport (billion km)	+/- in %
2016	27,131	+2.4	1,566	+1.4
2017	27,680	+2.0	1,591	+1.6
2018	27,696	+0.1	1,598	+0.4
2019	27,799	+0.4	1,649	+3.9
2020	22,910	-17.6	1,431	-13.2
2020*	25,381	-8.7	1,524	-7.6
2021*	27,423	+8.0	1,611	+5.7
2022*	29,268	+6.7	1,638	+1.6

* Including the integrated stretches of cantonal roads

Traffic volume in the Gotthard road tunnel

Year	1981	1990	1994	2000	2005	2010
Total	2,884,230	5,699,840	6,117,765	6,837,246	5,865,352	6,238,770

Year	2017	2018	2019	2020	2021	2022
Total	6,469,291	6,412,955	6,399,350	4,884,313	6,194,277	6,796,836

Electricity consumption of the Swiss motorway/national roads network

	Gigawatt hours (GWh)	%
Electricity consumption		
Tunnels	124	79.0
Open roads	15	10.0
Works depots	15	10.0
Heavy vehicle inspection centres	1	1.0
Total	157	100.0
Electricity production		
Photovoltaic production in 2022	1.6 (17 facilities)	-
Photovoltaic production by 2030	35 (90 facilities)	-
Third-party photovoltaic production in 2022	3 (13 facilities)	-

No. of traffic jam hours on the Swiss motorway/national roads network*

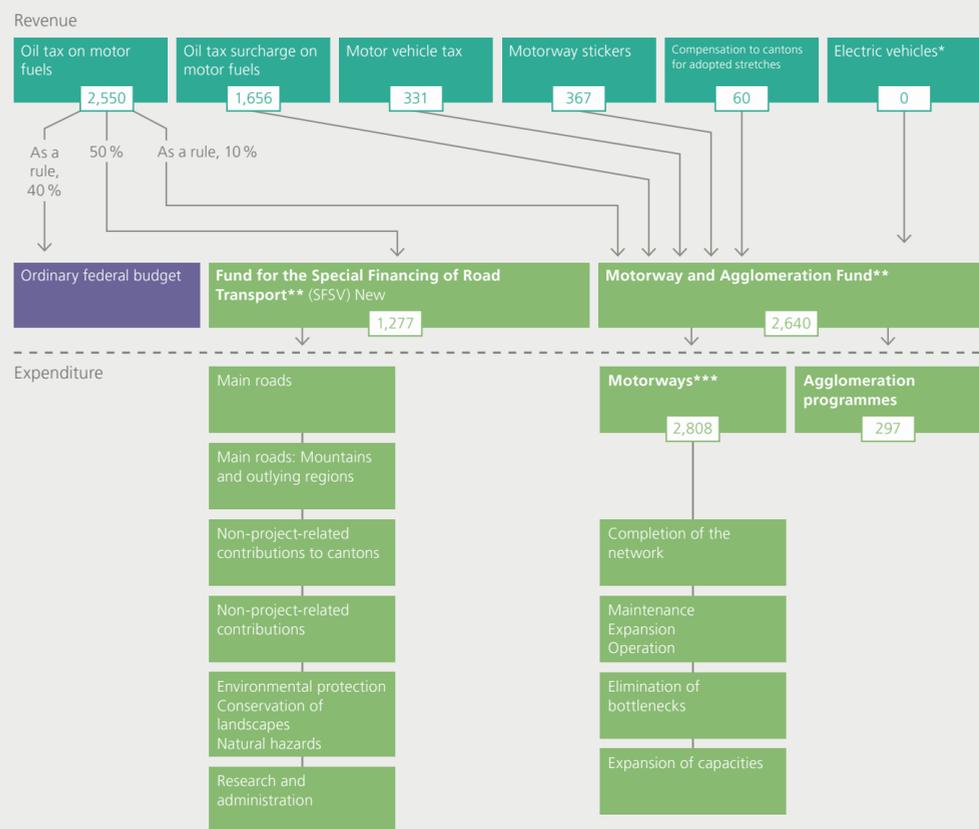
Causes	2019	2021*	2022*	+/- (in %)
Congestion	20,144	29,050	33,936	+16.8
Accidents	2,204	2,890	3,598	+24.5
Roadworks	138	338	2,203	+551.1
Other	90	203	125	-38.3
Total	22,575	22,575	39,863	+22.7

* 2021/2022: including integrated cantonal road stretches

The Swiss motorway/national roads network – total length by road category (km)

	8-lane	7-lane	6-lane	5-lane	4-lane	3-lane	2-lane	Mixed traffic	Total
	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>	<i>in use</i>
Aargau		1.2	14	1.7	86.9		2.1		105.9
Appenzell AR								11.2	11.2
Appenzell IR								4.2	4.2
Basel-Landschaft			9.5	3.3	30.8		25.1		68.7
Basel-Stadt			3.5		6				9.5
Bern				13.2	3.1	160.4	1.1	72.1	284.6
Fribourg						84		5.5	89.5
Geneva						27.2			27.2
Glarus					16.6		2.2	7.6	26.4
Grisons					43.6		100.7	81	225.3
Jura					35.4		11.8	7.3	54.5
Lucerne			2.6	2.7	53.2				58.5
Neuenburg					46.1	2.2	17.8	1.9	68.0
Nidwalden					22.9		2.9		25.8
Obwalden					1.8		22.3	13.3	37.4
Schaffhausen							12.3		12.3
Schwyz				2.7	40.5		2.2	4.3	49.7
Solothurn				6.5	5.4	31.9			43.8
St. Gallen				4.3	144.9				162.6
Thurgau					45.1		33.5		78.6
Ticino			7.3	18	81		40.6	16.1	163.0
Uri					37.1		16.3	16.1	69.5
Valais					76.0	6.7	17.7	66.6	167.0
Vaud	0.6		2.8	5.7	183.4		12.8		205.3
Zug				6	15.9		1.5		23.4
Zurich	1.2		31.3		131.4	1.9	21.2		187.0
Total	1.8	1.2	96.7	46.9	1,402.1	11.9	428.5	269.8	2,258.9

Flows of funds in 2023 (in million Swiss francs): in accordance with 2023 budget



* Date of introduction still open
** Including various smaller amounts (both funds)
*** Taking account of 2020-2023 payment framework for maintenance/expansion/operation

Figures taken from the federal budget 2023. Amounts in the totals may differ due to rounding up or down of the individual figures.

No. of traffic jam hours on the Swiss motorway/national roads network, by region

Region	Section	2022
Basel	A2 Basel Breite – Gellert junction	1,491
Bern/ Solothurn	A1 Oensingen – Härkingen	1,684
Lake Geneva	A6 Bern Ostring – Bern Wankdorf	497
	A1 Bardonnex – Perly	639
	A1 Morges East – Ecublens junction	310
	A9 Yvoire – Aigle	169
Lucerne	A14 Buchrain – Rathausen tunnel	