

SAFETY IMPACT OF CONVERSION FROM TWO-WAY TO ONE-WAY STREET DIRECTION (PEDESTRIANS) IN OREGON CITIES						
TIME PERIOD	OREGON CITY	TRAFFIC VOLUMES	ACCIDENTS PED	ACCIDENTS ALL	ACCIDENT RATE PED	ACCIDENT RATE ALL
BEFORE		9,515	21	283	0.0221	0.2974
AFTER	Astoria	9,760	17	262	0.0174	0.2684
CHANGE		245	-4	-21	-21.08%	-9.74%
BEFORE		9,980	13	409	0.0130	0.4098
AFTER	Coos Bay	15,960	7	297	0.0044	0.1861
CHANGE		5980	-6	-112	-66.33%	-54.59%
BEFORE		NA	11	530	NA	NA
AFTER	Corvallis	NA	12	395	NA	NA
CHANGE		NA	1	-135	NA	NA
BEFORE		8,200	10	408	0.0122	0.4976
AFTER	Eugene	6,040	10	153	0.0166	0.2533
CHANGE		-2160	0	-255	35.76%	-49.09%
BEFORE		6,440	6	226	0.0093	0.3509
AFTER	Lebanon	8,630	6	266	0.0070	0.3082
CHANGE		2190	0	40	-25.38%	-12.17%
BEFORE		11,680	1	163	0.0009	0.1396
AFTER	Medford	11,090	3	84	0.0027	0.0757
CHANGE		-590	2	-79	215.96%	-45.72%
BEFORE		6,430	14	385	0.0218	0.5988
AFTER	Pendleton	7,555	16	490	0.0212	0.6486
CHANGE		1125	2	105	-2.73%	8.32%
BEFORE		4,120	5	155	0.0121	0.3762
AFTER	Redmond	7,235	2	164	0.0028	0.2267
CHANGE		3115	-3	9	-77.22%	-39.75%
BEFORE		19,600	27	1005	0.0138	0.5128
AFTER	Salem	20,500	27	1000	0.0132	0.4878
CHANGE		900	0	-5	-4.39%	-4.87%
BEFORE		14,530	22	602	0.0151	0.4143
AFTER	Springfield	16,800	5	431	0.0030	0.2565
CHANGE		2270	-17	-171	-80.34%	-38.08%
BEFORE		8,780	18	380	0.0205	0.4328
AFTER	The Dalles	17,295	10	522	0.0058	0.3018
CHANGE		8515	-8	142	-71.80%	-30.26%
BEFORE		5,835	8	209	0.0137	0.3582
AFTER	Tillamook	6,875	7	231	0.0102	0.3360
CHANGE		1040	-1	22	-25.74%	-6.19%
BEFORE	TOTAL,	105,110	145	4,225	0.0138	0.4020
AFTER	ALL	127,740	110	3,900	0.0086	0.3053
CHANGE	CITIES	22630	-35	-325	-37.58%	-24.05%

SOURCE: Oregon State Highway Department, Technical Report #b 59-4, April 1959, "A Study of One-Way Street Routings on Urban Highways in Oregon", Salem, OR.

SAFETY IMPACT OF CONVERSION FROM TWO-WAY TO ONE-WAY STREET DIRECTION (INJURIES) IN OREGON CITIES						
TIME PERIOD	OREGON CITY	TRAFFIC VOLUMES	ACCIDENTS INJ	ACCIDENTS ALL	ACCIDENT RATE INJ	ACCIDENT RATE ALL
BEFORE		9,515	28	283	0.0294	0.2974
AFTER	Astoria	9,760	34	262	0.0348	0.2684
CHANGE		245	6	-21	18.38%	-9.74%
BEFORE		9,980	27	409	0.0271	0.4098
AFTER	Coos Bay	15,960	23	297	0.0144	0.1861
CHANGE		5980	-4	-112	-46.73%	-54.59%
BEFORE		NA	42	530	NA	NA
AFTER	Corvallis	NA	51	395	NA	NA
CHANGE		NA	9	-135	NA	NA
BEFORE		8,200	34	408	0.0415	0.4976
AFTER	Eugene	6,040	19	153	0.0315	0.2533
CHANGE		-2160	-15	-255	-24.13%	-49.09%
BEFORE		6,440	15	226	0.0233	0.3509
AFTER	Lebanon	8,630	20	266	0.0232	0.3082
CHANGE		2190	5	40	-0.50%	-12.17%
BEFORE		11,680	16	163	0.0137	0.1396
AFTER	Medford	11,090	5	84	0.0045	0.0757
CHANGE		-590	-11	-79	-67.09%	-45.72%
BEFORE		6,430	29	385	0.0451	0.5988
AFTER	Pendleton	7,555	36	490	0.0477	0.6486
CHANGE		1125	7	105	5.65%	8.32%
BEFORE		4,120	11	155	0.0267	0.3762
AFTER	Redmond	7,235	15	164	0.0207	0.2267
CHANGE		3115	4	9	-22.35%	-39.75%
BEFORE		19,600	102	1005	0.0520	0.5128
AFTER	Salem	20,500	76	1000	0.0371	0.4878
CHANGE		900	-26	-5	-28.76%	-4.87%
BEFORE		14,530	73	602	0.0502	0.4143
AFTER	Springfield	16,800	60	431	0.0357	0.2565
CHANGE		2270	-13	-171	-28.91%	-38.08%
BEFORE		8,780	30	380	0.0342	0.4328
AFTER	The Dalles	17,295	30	522	0.0173	0.3018
CHANGE		8515	0	142	-49.23%	-30.26%
BEFORE		5,835	15	209	0.0257	0.3582
AFTER	Tillamook	6,875	23	231	0.0335	0.3360
CHANGE		1040	8	22	30.14%	-6.19%
BEFORE	TOTAL,	105,110	380	4,225	0.0362	0.4020
AFTER	ALL	127,740	341	3,900	0.0267	0.3053
CHANGE	CITIES	22630	-39	-325	-26.16%	-24.05%