

KITSAP COUNTY

APPENDIX D: PEDESTRIAN / BICYCLE COLLISION DATA

Pedestrian safety was identified as one of the most important issues facing the Keyport Community, with significant risk to pedestrians identified on the SR-308 causeway across Dogfish Bay. The causeway is the only access point for both pedestrian and bicycle transportation to and from Keyport. The Kitsap County bicycle and pedestrian collision data includes excerpts from four separate Washington State Department of Transportation documents.

The Bicycle collision data from 1988 – 1993 is from page 39 of the Washington State Department of Transportation publication, Washington State Bicycle Collision Data 1988-1993, published in May 1994 (Revised March 1995).
website: <http://www.wsdot.wa.gov/mapsdata/tdo/accidentbicycle.htm>

The Bicycle collision data from 1994-1996 is from pages 23 and 41 of the Washington State Department of Transportation publication, Washington State Bicycle Collision Data 1994-1996, published in August 1997.
website: <http://www.wsdot.wa.gov/mapsdata/tdo/accidentbicycle.htm>

The pedestrian collision data from 1994-1996 is from pages 43 and 61 of the Washington State Department of Transportation publication, Washington State Pedestrian Collision Data 1990-1995, Published in March 1997.
website: <http://www.wsdot.wa.gov/mapsdata/tdo/accidentpedestrian.htm>

The pedestrian collision data from 1996 is from page 3-64 of the Washington State Department of Transportation publication, 1996 Washington State Highway Accidents, Published in 1997.
website: http://www.wsdot.wa.gov/mapsdata/tdo/PDF_and_ZIP_Files/StateHwyAccidentRpt.pdf

WASHINGTON BICYCLE COLLISIONS 1988 TO 1993

KITSAP COUNTY

COLLISION TYPE	#	%	INJ.	FAT.	INTER STATE	HIGH WAY	CO. RD.	CITY RD.	OTHER
COLLISION GROUP A: BICYCLE ENTERS/LEAVES ROADWAY @ MIDBLOCK LOCATION									
Type 1-3: Driveway/Alley	51	18.3	50	0	0	5	25	20	1
Type 4: Curb Shoulder	11	3.9	11	0	0	5	5	1	0
TOTAL GROUP A	62	22.2	61	0	0	10	30	21	1
COLLISION GROUP B: COLLISIONS @ INTERSECTIONS									
Type 5b/6b: Cycl. Disregard Sign/Signal	32	11.5	32	0	0	6	16	10	0
Type 7b: Cyclist Fails to Yield	17	6.1	16	0	0	3	5	9	0
Type 8b: Cyclist Turning	7	2.5	7	0	0	2	0	5	0
Type Bb: Cyclist Xing or Entering	13	4.7	13	0	0	4	3	6	0
TOTAL GROUP B, TYPE 5b-Bb	69	24.7	68	0	0	15	24	30	0
Type 5m: Motor Veh. Disregards Sign	0	0	0	0	0	0	0	0	0
Type 6m: Motor Veh. Disregards Signal	0	0	0	0	0	0	0	0	0
Type 7m: Motor Veh. Fails to Yield	32	11.5	31	0	0	8	10	14	0
Type 8m: Motor Veh. Turning	0	0	0	0	0	0	0	0	0
Type Bx: Inadequate Information	17	6.1	17	0	0	7	4	6	0
TOTAL GROUP B, TYPE 5m-Bx	49	17.6	48	0	0	15	14	20	0
TOTAL GROUP B	118	42.2	116	0	0	30	38	50	0
COLLISION GROUP C: MOTORIST ENTERS/LEAVES ROADWAY @ MID-BLOCK LOCATION									
Type 11: Backing from Driveway	0	0	0	0	0	0	0	0	0
TOTAL GROUP C	0	0	0	0	0	0	0	0	0
COLLISION GROUP D: BICYCLIST HIT FROM BEHIND BY MOTOR VEHICLE									
Type 13a: M. Veh./Cycl. Going Straight	21	7.5	21	0	0	6	6	9	0
Type 13/14/16/17: Motor Veh. Passing	2	0.7	2	0	0	0	1	1	0
Type 15: Motorist Following Too Closely	0	0	0	0	0	0	0	0	0
TOTAL GROUP D	23	8.2	23	0	0	6	7	10	0
COLLISION GROUP E: BICYCLIST TURNING/SWERVING									
TOTAL GROUP E	30	10.8	30	0	0	4	21	5	0
COLLISION GROUP F: MOTORIST TURNING, BICYCLIST NOT									
TOTAL GROUP F	3	1.1	3	0	0	0	1	2	0
COLLISION GROUP G: OTHER									
Type 26: Cyclist Going Wrong Way	29	10.4	29	0	0	8	16	4	1
Type 28: Motorist Going Wrong Way	0	0	0	0	0	0	0	0	0
Type 35: Motorist Driveout from Parking	0	0	0	0	0	0	0	0	0
Type 36: Cycl. Strikes Slow/Stop Veh.	12	4.3	11	0	0	4	2	6	0
Type 38b: Miscellaneous	2	0.7	2	0	0	0	1	1	0
TOTAL GROUP G	43	15.4	42	0	0	12	19	11	1
GRAND TOTAL ALL GROUPS	279	100.0	275	0	0	62	116	99	2

TABLE 8 WASHINGTON BICYCLE COLLISIONS 1994-1996
County Summary (Rate per 10,000 Population per Year)
Percentages based on 4,892 Collisions

County	1995 Population	# of Collisions	Collision Rate	# of Bicyclist Fatalities	Bicyclist Fatality Rate
Adams	15,200	12	2.63	0	0.00
Asotin	19,100	15	2.62	0	0.00
Benton	131,000	74	1.88	0	0.00
Chelan	60,000	46	2.56	0	0.00
Clallam	63,600	42	2.20	0	0.00
Clark	291,000	231	2.65	4	0.05
Columbia	4,200	2	1.59	0	0.00
Cowlitz	89,400	116	4.33	2	0.07
Douglas	29,600	16	1.80	0	0.00
Ferry	7,100	0	0.00	0	0.00
Franklin	44,000	13	0.98	0	0.00
Garfield	2,350	1	1.42	0	0.00
Grant	64,500	47	2.43	1	0.05
Grays Harbor	67,700	66	3.25	1	0.05
Island	68,900	24	1.16	1	0.05
Jefferson	25,100	11	1.46	1	0.13
King	1,613,600	1,914	3.95	5	0.01
Kitsap	220,600	161	2.43	4	0.06
Kittitas	30,100	40	4.43	0	0.00
Klickitat	18,100	11	2.03	0	0.00
Lewis	65,500	53	2.70	1	0.05
Lincoln	9,700	3	1.03	0	0.00
Mason	45,300	23	1.69	3	0.22
Okanogan	36,900	18	1.63	0	0.00
Pacific	20,800	14	2.24	0	0.00
Pend Oreille	10,700	1	0.31	0	0.00
Pierce	660,200	488	2.46	5	0.03
San Juan	12,300	4	1.08	0	0.00
Skagit	93,100	71	2.54	0	0.00
Skamania	9,550	1	0.35	0	0.00
Snohomish	525,600	372	2.36	4	0.03
Spokane	401,200	490	4.07	2	0.02
Stevens	35,400	13	1.22	0	0.00
Thurston	189,200	174	3.07	1	0.02
Wahkiakum	3,700	1	0.90	1	0.90
Walla Walla	52,700	33	2.09	0	0.00
Whatcom	148,300	133	2.99	0	0.00
Whitman	40,500	23	1.89	0	0.00
Yakima	204,100	135	2.20	3	0.05
Total	5,429,900	4,892	3.00	39	0.02

TABLE 26 WASHINGTON BICYCLE COLLISIONS 1994-1996
KITSAP COUNTY - 220,600 Population
2.43 Bicycle Collisions per 10,000 Population per Year

COLLISION TYPE	#	%	Injury	Fatal	Inter- state	High- way	Co Rd	City St	Other
GROUP A: BICYCLE ENTERS/LEAVES ROADWAY @ MIDBLOCK LOCATION									
TYPE 1-3: Driveway/Alley	34	21.1	32	1	n/a	9	10	15	0
TYPE 4: Curb Shoulder	2	1.2	2	0	n/a	1	1	0	0
TOTAL GROUP A	36	22.4	34	1	n/a	10	11	15	0
GROUP B: COLLISIONS @ INTERSECTION									
TYPE 5b/6b: Bike Disregard Sign/Signal	13	8.1	13	0	n/a	1	6	6	0
TYPE 7b: Bicycle Fails to Yield	13	8.1	13	0	n/a	5	3	5	0
TYPE 8b: Bicycle Turning	3	1.9	3	0	n/a	1	0	2	0
TYPE Bb: Bicycle Xing or Entering	16	9.9	16	0	n/a	3	8	4	1
SUBTOTAL GROUP B, Type 5b-Bb	45	28.0	45	0	n/a	10	17	17	1
TYPE 5m: Motor Veh. Disregard Sign	1	0.6	1	0	n/a	0	0	1	0
TYPE 6m: Motor Veh. Disregard Signal	1	0.6	1	0	n/a	0	0	1	0
TYPE 7m: Motor Veh. Fails to Yield	14	8.7	14	0	n/a	4	3	7	0
TYPE 8m: Motor Veh. Turning	0	0.0	0	0	n/a	0	0	0	0
SUBTOTAL GROUP B, Type 5m-8m	16	9.9	16	0	n/a	4	3	9	0
TYPE Bx: Inadequate Information	10	6.2	10	0	n/a	4	1	5	0
TOTAL GROUP B	71	44.1	71	0	n/a	18	21	31	1
GROUP C: MOTOR VEHICLE ENTERS/LEAVES ROADWAY @ MIDBLOCK LOCATION									
TYPE 11: Backing from Driveway	2	1.2	2	0	n/a	0	1	1	0
GROUP D: BICYCLE HIT FROM BEHIND BY MOTOR VEHICLE									
TYPE 13a: M. Veh./Bike Going Straight	6	3.7	6	0	n/a	0	3	3	0
TYPE 13/14/16/17: Motor Veh. Passing	1	0.6	1	0	n/a	0	1	0	0
TYPE 15: M. Veh. Following Too Closely	0	0.0	0	0	n/a	0	0	0	0
TOTAL GROUP D	7	4.3	7	0	n/a	0	4	3	0
GROUP E: BICYCLE TURNING/SWERVING NOT AT INTERSECTION									
Bicycle Turning/Swerving	14	8.7	11	3	n/a	5	6	3	0
GROUP F: MOTOR VEHICLE TURNING, BICYCLE NOT									
Motor Vehicle Turning, Bicycle Not	1	0.6	1	0	n/a	0	0	1	0
GROUP G: OTHER									
TYPE 26: Bicycle Going Wrong Way	22	13.7	21	0	n/a	4	8	10	0
TYPE 28: Motor Veh. Going Wrong Way	0	0.0	0	0	n/a	0	0	0	0
TYPE 35: M. Veh. Driveout from Parking	1	0.6	1	0	n/a	0	0	1	0
TYPE 36: Bike Strike Slow/Stop M. Veh.	6	3.7	5	0	n/a	0	3	3	0
TYPE 38: Miscellaneous	1	0.6	1	0	n/a	0	0	1	0
TOTAL GROUP G	30	18.6	28	0	n/a	4	11	15	0
COUNTY TOTAL	161	100	154	4	n/a	37	54	69	1

TABLE 22 WASHINGTON PEDESTRIAN COLLISIONS 1990-1995
County Summary (Rate per 10,000 Population per Year)
Percentages based on 11,160 Collisions

County	1995 Population	# of Collisions	Collision Rate	# of Ped. Fatality Collisions	Ped. Fatality Rate
Adams	15,200	12	1.32	1	0.11
Asotin	19,100	21	1.83	1	0.09
Benton	131,000	146	1.86	4	0.05
Chelan	60,000	109	3.03	4	0.11
Clallam	63,600	92	2.41	5	0.13
Clark	291,000	411	2.35	22	0.13
Columbia	4,200	4	1.59	0	0.00
Cowlitz	89,400	146	2.72	9	0.17
Douglas	29,600	19	1.07	6	0.34
Ferry	7,100	3	0.70	1	0.23
Franklin	44,000	67	2.54	4	0.15
Garfield	2,350	0	0.00	0	0.00
Grant	64,500	70	1.81	5	0.13
Grays Harbor	67,700	134	3.30	10	0.25
Island	68,900	39	0.94	1	0.02
Jefferson	25,100	17	1.13	1	0.07
King	1,613,600	5,048	5.21	154	0.16
Kitsap	220,600	354	2.67	15	0.11
Kittitas	30,100	40	2.21	5	0.28
Klickitat	18,100	20	1.84	1	0.09
Lewis	65,500	77	1.96	4	0.10
Lincoln	9,700	6	1.03	0	0.00
Mason	45,300	56	2.06	4	0.15
Okanogan	36,900	46	2.08	7	0.32
Pacific	20,800	25	2.00	3	0.24
Pend Oreille	10,700	6	0.93	1	0.16
Pierce	660,200	1,301	3.28	62	0.16
San Juan	12,300	13	1.76	0	0.00
Skagit	93,100	120	2.15	8	0.14
Skamania	9,550	6	1.05	1	0.17
Snohomish	525,600	904	2.87	41	0.13
Spokane	401,200	843	3.50	24	0.10
Stevens	35,400	25	1.18	4	0.19
Thurston	189,200	271	2.39	11	0.10
Wahkiakum	3,700	1	0.45	1	0.45
Walla Walla	52,700	73	2.31	2	0.06
Whatcom	148,300	201	2.26	10	0.11
Whitman	40,500	45	1.85	4	0.16
Yakima	204,100	389	3.18	21	0.17
<i>Total</i>	5,429,900	11,160	3.43	457	0.14

TABLE 40 WASHINGTON PEDESTRIAN COLLISIONS 1990-1995
KITSAP COUNTY - 220,600 Population
2.67 Pedestrian Collisions per 10,000 Population per Year

Collision Type	#	%	Ped Injury	Ped Fatality	Inter-state	High-way	Co Rd	City St	Other
1. Bus Related	3	0.8	1	2	n/a	1	1	1	0
2. Driverless Vehicle	4	1.1	4	0	n/a	0	1	3	0
3. Backing Vehicle	12	3.4	11	1	n/a	4	2	6	0
4. Disabled Vehicle Related	3	0.8	3	0	n/a	1	0	1	1
5. Work/Stand/Play in Road	24	6.8	23	1	n/a	5	9	10	0
6. Pedestrian not in Road	19	5.4	18	1	n/a	7	4	8	0
7. Driveway	21	5.9	21	0	n/a	11	3	7	0
8. Non-Intersection; Ped. Xing Rd.									
<i>a. Driver Violation Only</i>	5	1.4	5	0	n/a	1	2	2	0
<i>b. Ped. Violation Only</i>	81	22.9	75	6	n/a	15	40	24	2
<i>c. Driver & Ped. both Violating</i>	11	3.1	11	0	n/a	3	3	5	0
<i>Sub Total 8</i>	97	27.4	91	6	n/a	19	45	31	2
9. Non-Inter.; Ped. walk along Rd.									
<i>a. Driver Violation Only</i>	3	0.8	3	0	n/a	0	3	0	0
<i>b. Ped. Violation Only</i>	9	2.5	8	1	n/a	2	6	1	0
<i>c. Driver & Ped. both Violating</i>	10	2.8	10	0	n/a	1	6	3	0
<i>Sub Total 9</i>	22	6.2	21	1	n/a	3	15	4	0
10. All Other Non-Intersection	16	4.5	15	1	n/a	1	11	3	1
11. Intersection; Veh. Straight									
<i>a. Driver Violation Only</i>	19	5.4	19	0	n/a	9	4	6	0
<i>b. Ped. Violation Only</i>	49	13.8	49	0	n/a	22	12	15	0
<i>c. Driver & Ped. both Violating</i>	13	3.7	12	1	n/a	3	3	7	0
<i>Sub Total 11</i>	81	22.9	80	1	n/a	34	19	28	0
12. Intersection; Veh. Turning Rt.									
<i>a. Driver Violation Only</i>	17	4.8	17	0	n/a	7	1	9	0
<i>b. Ped. Violation Only</i>	4	1.1	4	0	n/a	0	1	3	0
<i>c. Driver & Ped. both Violating</i>	3	0.8	3	0	n/a	1	1	1	0
<i>Sub Total 12</i>	24	6.8	24	0	n/a	8	3	13	0
13. Intersection; Veh. Turning Lt.									
<i>a. Driver Violation Only</i>	20	5.6	19	1	n/a	10	0	10	0
<i>b. Ped. Violation Only</i>	1	0.3	1	0	n/a	0	0	1	0
<i>c. Driver & Ped. both Violating</i>	3	0.8	3	0	n/a	1	0	2	0
<i>Sub Total 13</i>	24	6.8	23	1	n/a	11	0	13	0
14. All Other Intersection	4	1.1	4	0	n/a	0	1	3	0
<i>County Total</i>	354	100.0	339	15	n/a	105	114	131	4

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