

Highway Safety Projects - Before and After Study Update  
**Projects Completed Between October 1, 2004 and September 30, 2006**

**Before Period=3 years (based on Dec. 2008, GNB Study)\***

**After Period=2 or 3 years (based on Dec. 2008, GNB Study)\***

**After Period=6 years\***

**Collision Data Comparison**

*\*Officer Collision Reports used exclusively for this GNB reporting - Data may differ from original Dec. 2008 study*

Project Title and Location	Description of Work	Before/After	Available Data (in years)	Collisions Per Year			
				All Types	Property Damage Only	All Injury/ Fatal	Serious Injury/ Fatal
SR 203/NE 124th/Novelty Rd Vicinity - Construct Roundabout	Roundabout	Before	3	9.7	5.0	4.7	0.7
		After	3	12.7	10.7	2.0	0.0
		After	6	11.2	9.0	2.2	0.2
I-5/Ramps at Michigan-Corson/Albro/Swift	Shoulder rebuild	Before	3	9.3	5.7	3.7	0.7
		After	3	6.3	5.0	1.3	0.3
		After	6	6.8	4.8	2.0	0.3
SR 18/Weyerhauser Way Ramps	Signal and channelization	Before	3	5.0	3.3	1.7	0.0
		After	2	4.0	3.0	1.0	0.0
		After	6	4.0	2.7	1.3	0.3
SR 539/King Tut Rd. and Bartlett Rd.	Channelization	Before	3	19.3	9.3	10.0	0.7
		After	2	17.0	9.0	8.0	0.0
		After	6	15.7	9.0	6.7	0.0
SR 20/Oak Harbor NCL to Frostad Road	Channelization	Before	3	39.3	22.7	16.7	1.7
		After	2	30.5	18.0	12.5	1.0
		After	6	24.8	16.2	8.7	0.7
US 2/179th Ave to Woods Creek Bridge	Signal and ITS Improvements	Before	3	111.7	78.0	33.7	1.7
		After	2	94.0	65.0	29.0	1.0
		After	6	83.3	59.3	24.0	1.2
SR 20/Northgate Drive to Banta Road	Roadway realignment and channelization	Before	3	6.0	2.7	3.3	0.0
		After	2	3.0	1.0	2.0	0.5
		After	6	3.3	2.0	1.3	0.2
SR 9/56th St. SE and 42nd St. NE	Signal and channelization	Before	3	138.3	71.7	66.7	2.7
		After	2	146.5	88.5	58.0	2.0
		After	6	130.5	84.3	46.2	2.5

US 2/SR 522 to Woods Creek Bridge	Access Management	Before	3	86.0	61.7	24.3	1.3
		After	2	79.5	58.0	21.5	1.0
		After	6	64.8	48.0	16.8	0.7
SR 92/SR 9 to 84th St. NE Vic.	Channelization and safety improvements	Before	3	48.7	24.7	24.0	2.0
		After	2	53.5	30.5	23.0	3.5
		After	6	50.3	31.5	18.8	3.0
SR 531/33rd Ave Vic. to 40th Ave. NE	Access management	Before	3	62.7	48.0	14.7	2.0
		After	2	48.0	35.0	13.0	0.0
		After	6	40.3	28.7	11.7	0.2
US 2/Old US 2 Vic to Jct SR 522 Vic	Safety Improvements and Rumble Strips	Before	3	82.0	48.3	33.7	2.0
		After	3	82.7	54.7	28.0	2.0
		After	6	79.8	51.5	28.3	2.2
I-5/300th St NW Vic to Anderson Rd Vic - Install Cable Barrier	Median X-over (Cable)	Before	3	49.3	33.0	16.3	1.7
		After	2	79.5	58.0	21.5	1.0
		After	6	71.2	54.5	16.7	0.5
I-5/SR 542 Vicinity to Bakerview Rd - Install Cable Barrier	Median X-over (Cable)	Before	3	39.3	25.0	14.3	0.3
		After	2	34.0	25.0	9.0	0.0
		After	6	38.8	30.8	8.0	0.3
I-5/SR 11 to 36th St - Install Cable Barrier	Median X-over (Cable)	Before	3	6.7	5.0	1.7	0.0
		After	2	6.5	5.5	1.0	0.0
		After	6	7.3	6.2	1.2	0.0
I-5/SR 11 Vic to Weigh Station Vic - Install Cable Barrier	Median X-over (Cable)	Before	3	24.0	16.3	7.7	1.3
		After	2	28.5	21.5	7.0	0.0
		After	6	31.8	24.7	7.2	0.3
SR 522/N Creek Vic to Bear Creek Vic - Install Cable Barrier	Median X-over (cable)	Before	3	12.3	8.0	4.3	0.7
		After	2	18.5	13.5	5.0	0.0
		After	6	15.3	11.7	3.7	0.0
I-5/Blaine Vicinity - Median Cross Over Protection	Median X-over (Cable)	Before	3	5.3	3.0	2.3	0.0
		After	2	5.0	4.5	0.5	0.0
		After	6	5.3	4.8	0.5	0.0

I-5/Main St to SR 548 - Install Cable Barrier	Median X-over (Cable)	Before	3	29.0	19.3	9.7	0.7
		After	2	32.0	20.0	12.0	1.5
		After	6	25.5	17.2	8.3	0.8
SR 18/SE 304th to SR 516 - Install Cable Barrier	Median x-over (cable)	Before	3	7.0	4.7	2.3	0.0
		After	2	16.5	11.5	5.0	0.5
		After	6	12.3	9.5	2.8	0.3
SR 99/SR 599 to Holden St - Install Cable Barrier	Median X-over (cable)	Before	3	10.0	6.3	3.7	0.7
		After	2	14.0	7.5	6.5	0.0
		After	6	15.2	9.3	5.8	0.7
I-90/I-405 Vic to 150th Ave NE Vic - Median Crossover Cable	Median crossover cable	Before	3	3.7	2.0	1.7	0.0
		After	2	6.0	5.5	0.5	0.0
		After	6	4.0	3.3	0.7	0.0
SR 410/288th Ave SE to Crystal Mountain Blvd.	Centerline rumble strip	Before	3	49.3	28.3	21.0	6.3
		After	2	46.0	27.0	19.0	5.5
		After	6	43.5	26.3	17.2	4.2
I-90/Silica Road to East of Adams Road - Median Cross Over Protection	Install cable median barrier	Before	3	2.7	2.0	0.7	0.0
		After	2	4.5	4.0	0.5	0.0
		After	6	3.3	2.3	1.0	0.2
I-90/SR 17 to Grant/Adams County Line - Median Cross Over Protection	Install cable median barrier	Before	3	19.3	9.0	10.3	1.0
		After	2	19.5	13.5	6.0	1.5
		After	6	24.8	18.0	6.8	1.7
US 2/Stevens Pass to Leavenworth - C/L Rumble Strips	Install centerline rumble strips	Before	3	117.3	70.7	46.7	6.3
		After	2	107.0	63.0	44.0	8.0
		After	6	102.0	64.3	37.7	6.3
US 101/W Sequim Bay Rd to Vic Dawley Rd	HAC Safety Improvements	Before	3	6.3	4.3	2.0	0.3
		After	2	12.0	6.0	6.0	1.5
		After	6	6.3	3.0	3.3	0.8
SR 305/Madison Ave Intersection - Signal	Construct signal and channelization	Before	3	11.3	6.3	5.0	0.0
		After	2	7.0	5.5	1.5	0.0
		After	6	11.3	7.2	4.2	0.2

SR 104/Jct SR 19 Intersection - Safety	Widening for auxiliary lane channelization	Before	3	4.7	2.3	2.3	0.0
		After	2	3.0	2.5	0.5	0.0
		After	6	4.3	2.3	2.0	0.0
SR 512/EB Off Ramp to Pacific Ave - Safety	Ramp improvements	Before	3	67.3	40.0	27.3	0.3
		After	2	59.0	35.0	24.0	0.5
		After	6	58.7	36.5	22.2	0.8
SR 302/Elgin-Clifton Road Intersection	Install signalization	Before	3	9.7	4.0	5.7	1.0
		After	2	1.5	1.0	0.5	0.0
		After	6	3.3	1.8	1.5	0.2
SR 307/Stottlemeyer Road/Gunderson Road I/S- Signal	Signalization	Before	3	9.7	6.0	3.7	1.3
		After	2	6.5	3.5	3.0	0.0
		After	6	4.5	3.0	1.5	0.0
SR 161/128th to 176th - Safety	Provide sidewalks and access control	Before	3	166.3	89.0	77.3	2.0
		After	2	243.5	138.0	105.5	2.0
		After	6	216.5	129.8	86.7	1.5
SR 16/Wollochet Dr Signal	Signal installation	Before	3	6.3	5.7	0.7	0.0
		After	2	3.0	2.5	0.5	0.0
		After	6	2.5	2.2	0.3	0.0
I-5/Prairie Creek to Maytown - Median Crossover	Install cable median crossover barrier	Before	3	56.7	34.3	22.3	1.3
		After	2	63.5	47.5	16.0	1.0
		After	6	64.0	47.2	16.8	0.3
SR 3/Vic Shelton to Vic Belfair - Centerline Rumble Strip	Construct centerline rumble strip	Before	3	82.0	44.3	37.7	7.7
		After	2	85.5	53.0	32.5	4.5
		After	6	77.2	49.3	27.8	3.8
SR 161/Trek Dr E to Vicinity 264th St E - Centerline Rumble Strip	Construct centerline rumble strip	Before	3	37.7	17.7	20.0	2.3
		After	2	40.5	21.5	19.0	1.0
		After	6	33.5	16.2	17.3	1.5
SR 167/SR 410 to Pierce/King Co Line - Install Cable Barrier	Install cable median cross over barrier	Before	3	69.3	42.7	26.7	0.7
		After	2	73.0	37.5	35.5	0.5
		After	6	79.3	48.0	31.3	0.5

SR 410/Traffic Ave to 166th Ave E - Install Cable Barrier	Install cable median crossover barrier	Before	3	16.0	7.3	8.7	1.0
		After	2	18.5	8.5	10.0	0.5
		After	6	16.3	10.5	5.8	0.3
US 12/Montesano Vicinity to Elma - Install Cable Barrier	Install cable median cross over barrier	Before	3	45.3	31.3	14.0	3.0
		After	2	60.5	47.0	13.5	2.5
		After	6	49.2	39.2	10.0	2.0
SR 14/32nd St - Intersection Improvement	Install raised traffic island, construct merge lane	Before	3	6.7	2.7	4.0	0.7
		After	3	4.0	2.0	2.0	0.7
		After	6	3.7	1.8	1.8	0.5
I-205/Mill Plain SB Off Ramp - Add Turn Lane	Construct additional left turn lane	Before	3	4.0	2.3	1.7	0.0
		After	2	3.5	2.5	1.0	0.0
		After	6	2.8	1.8	1.0	0.0
I-82/Yakima to Prosser - Weather & Radio Stations	Install environmental sensor stations and highway advisory radio	Before	3	204.3	125.7	78.7	11.0
		After	2	206.0	137.0	69.0	7.5
		After	6	213.8	144.3	69.5	6.2
SR 24/Smith Road to SR 241-Rumble Strips	Install centerline rumble strips	Before	3	15.7	9.0	6.7	2.3
		After	2	14.0	8.5	5.5	1.5
		After	6	14.5	8.8	5.7	1.5
SR 206/SR 206 and Bruce Road I/S Roundabout	Replace existing two way stop with a roundabout	Before	3	3.0	1.3	1.7	0.3
		After	2	0.5	0.5	0.0	0.0
		After	6	0.5	0.2	0.3	0.2