

Collision type / Site type	SW 10th Street No-Build			SW 10th Street Build 1			SW 10th Street Build 2			SW 10th Street Build 3		
	Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)		
	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)
ROADWAY SEGMENTS												
Multiple-vehicle												
SW 10th Street Military Trail to Newport Center Drive	4.512	1.170	3.342	4.512	1.170	3.342	5.159	1.328	3.832	5.159	1.328	3.832
SW 10th Street Newport Center Drive to SB On Ramp	1.621	0.419	1.202	2.297	0.594	1.703	2.506	0.645	1.861	2.506	0.645	1.861
SW 10th Street SB On Ramp to SB Off Ramp	0.737	0.190	0.547	--	--	--	--	--	--	--	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.908	0.491	1.417	1.908	0.491	1.417	1.916	0.493	1.423	1.916	0.493	1.423
SW 10th Street NB On/Off Ramp to Natura Blvd	1.070	0.283	0.787	1.070	0.283	0.787	1.092	0.289	0.804	1.092	0.289	0.804
Single-vehicle												
SW 10th Street Military Trail to Newport Center Drive	0.371	0.076	0.295	0.371	0.076	0.295	0.388	0.081	0.308	0.388	0.081	0.308
SW 10th Street Newport Center Drive to SB On Ramp	0.129	0.027	0.103	0.183	0.038	0.145	0.189	0.039	0.149	0.189	0.039	0.149
SW 10th Street SB On Ramp to SB Off Ramp	0.055	0.012	0.044	--	--	--	--	--	--	--	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	0.144	0.030	0.114	0.144	0.030	0.114	0.144	0.030	0.114
SW 10th Street NB On/Off Ramp to Natura Blvd	0.112	0.022	0.090	0.112	0.022	0.090	0.113	0.022	0.091	0.113	0.022	0.091
INTERSECTIONS												
Multiple-vehicle												
SW 10th Street / Military Trail	10.415	3.767	6.648	10.415	3.767	6.648	11.399	4.168	7.231	11.399	4.168	7.231
SW 10th Street / Newport Center Drive	8.303	3.067	5.237	10.841	4.004	6.837	11.706	4.349	7.357	11.799	4.382	7.417
SW 10th Street / Natura Blvd	8.323	2.957	5.365	6.494	2.308	4.186	7.106	2.519	4.587	7.114	2.521	4.593
Single-vehicle												
SW 10th Street / Military Trail	0.472	0.098	0.374	0.472	0.098	0.374	0.496	0.100	0.396	0.496	0.100	0.396
SW 10th Street / Newport Center Drive	0.352	0.069	0.283	0.459	0.090	0.369	0.484	0.093	0.391	0.489	0.094	0.394
SW 10th Street / Natura Blvd	0.406	0.088	0.318	0.317	0.069	0.248	0.349	0.076	0.273	0.350	0.077	0.273
COMBINED (sum of column)	38.930	12.766	26.166	39.594	13.038	26.557	43.049	14.232	28.817	43.154	14.268	28.886

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Freeway Segment				
SW 10th Street Freeway Segment				
Multiple-Vehicle		104.746	24.353	80.393
Single-vehicle		18.269	4.117	14.152
Total		123.015	28.470	94.546
Ramp Speed Change Lane				
Merge Lanes				
SB Merge from SW 10th Street		8.493	3.074	5.419
NB Merge from SW 10th Street		8.215	2.967	5.248
Diverge Lanes				
NB Diverge to SW 10th Street		2.448	0.696	1.752
Ramp Terminals				
NB Ramp Terminal		19.256	4.145	15.111
SB Off Ramp Terminal		20.008	7.223	12.785
SB On Ramp Terminal		9.494	2.607	6.887
COMBINED (sum of column)		190.929	49.182	141.747

SW 10th Street Build	Build 1			Build 2			Build 3		
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	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)	N _{predicted} (TOTAL)	N _{predicted} (FI)	N _{predicted} (PDO)
Freeway Segment 1 - NB Merge from Sample through the NB Diverge to SW 10th Street									
Multiple-Vehicle	104.28	27.76	76.52	100.54	26.94	73.60	101.00	27.04	73.96
Single-vehicle	18.19	4.45	13.74	17.90	4.39	13.50	17.94	4.40	13.54
Total	122.47	32.21	90.26	118.43	31.33	87.10	118.94	31.44	87.50
Freeway Segment 2 - NB Diverge to SW 10th Street through NB Diverge to Hillsboro Blvd									
Multiple-Vehicle	22.03	5.43	16.60	20.30	5.08	15.22	19.42	4.90	14.52
Single-vehicle	4.59	1.07	3.52	4.42	1.04	3.39	4.34	1.02	3.32
Total	26.62	6.50	20.12	24.73	6.12	18.61	23.76	5.92	17.84
Collector-Distributor Road									
SW 10th Street NB On-Ramp C-D Road	5.58	2.07	3.50	7.94	3.24	4.70	11.88	5.60	6.28
Ramp Terminals									
NB Ramp Terminal	29.93	11.60	18.33	33.67	12.75	20.92	39.33	14.57	24.76
SB Off/On Ramp Terminal	30.28	10.41	19.88	40.68	13.84	26.83	57.09	19.29	37.79
COMBINED (sum of column)	214.89	62.80	152.09	225.45	67.29	158.16	250.99	76.83	174.17

Hillsboro Blvd No-Build			
Collision type / Site type	Predicted average crash frequency (crashes/year)		
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)
Freeway Segment			
Multiple-Vehicle	82.943	20.748	62.195
Single-vehicle	11.098	2.504	8.594
Total	94.041	23.252	70.789
Ramp Speed Change Lane			
Merge Lanes			
SB Merge from WB Hillsboro Blvd	6.05	2.02	4.030
Diverge Lanes			
NB Diverge to EB Hillsboro Blvd	2.24	0.640	1.600
Ramp Terminals			
NB to EB Ramp Terminal	14.640	6.650	7.990
SB Off Ramp Terminal	13.890	6.500	7.390
COMBINED (sum of column)	130.861	39.062	91.799

Hillsboro Blvd Build Options									
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials									
Collision type / Site type	Build 1			Build 2			Build 3		
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	N_{predicted} (TOTAL)	N_{predicted} (FI)	N_{predicted} (PDO)	N_{predicted} (TOTAL)	N_{predicted} (FI)	N_{predicted} (PDO)	N_{predicted} (TOTAL)	N_{predicted} (FI)	N_{predicted} (PDO)
Freeway Segment 1 - NB Hillsboro Diverge to NB SW 10th Street Merge									
Multiple-Vehicle	29.665	6.910	22.755	29.777	6.932	22.845	31.733	7.300	24.433
Single-vehicle	5.204	1.174	4.030	5.213	1.176	4.037	5.364	1.202	4.162
Total	34.869	8.084	26.785	34.990	8.107	26.883	37.098	8.502	28.595
Freeway Segment 2 - NB SW 10th Street Merge to NB Hillsboro Merge									
Multiple-Vehicle	32.501	8.538	23.963	34.593	8.986	25.606	38.624	9.835	28.788
Single-vehicle	6.865	1.695	5.170	7.060	1.733	5.327	7.419	1.802	5.617
Total	39.366	10.233	29.133	41.653	10.719	30.934	46.043	11.637	34.406
Merge Lanes									
SB Merge from Hillsboro Blvd	7.161	2.63	4.53	7.145	2.60	4.55	7.450	2.71	4.74
NB Merge From Hillsboro Blvd	4.856	1.12	3.74	4.870	1.12	3.75	5.080	1.17	3.91
Diverge Lanes									
NB Diverge to Hillsboro Blvd	1.450	0.43	1.02	1.452	0.43	1.02	1.500	0.45	1.05
SB Diverge to 10th Street	0.670	0.23	0.44	0.668	0.23	0.44	0.690	0.24	0.45
Connector-Distributor Road									
Hillsboro NB On-Ramp CD Road	1.270	0.45	0.82	1.260	0.45	0.81	1.240	0.44	0.80
Hillsboro SB On-Ramp CD Road	1.722	0.65	1.07	1.587	0.59	1.00	1.610	0.60	1.01
Ramp Terminals									
NB Off Ramp Terminal	20.990	9.45	11.54	21.019	9.41	11.61	21.190	9.49	11.70
SB Off Ramp Terminal	13.950	6.52	7.43	14.177	6.64	7.54	14.190	6.64	7.55
COMBINED (sum of column)	126.303	39.792	86.511	128.822	40.297	88.525	136.090	41.879	94.211