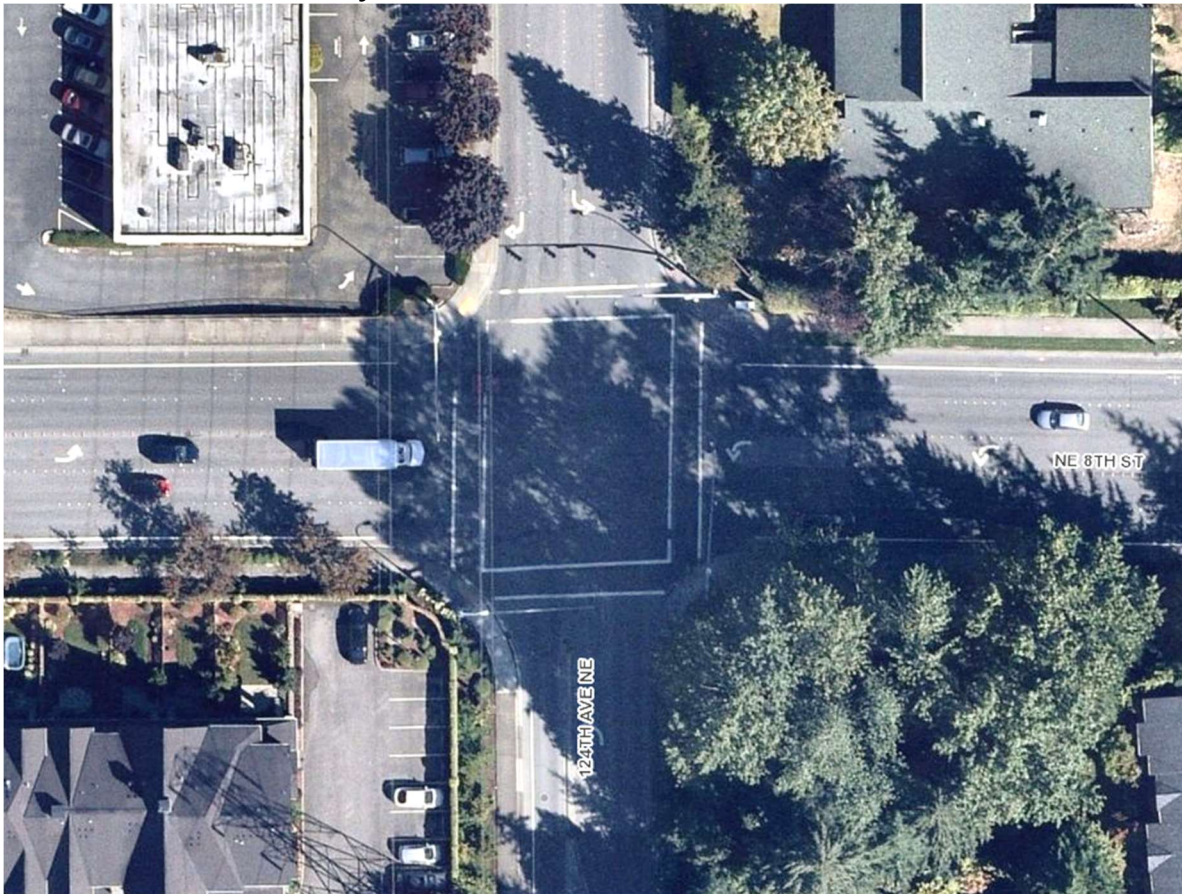


Vision Zero Sandbox Competition

Study Intersection – 124th Ave NE and NE 8th St

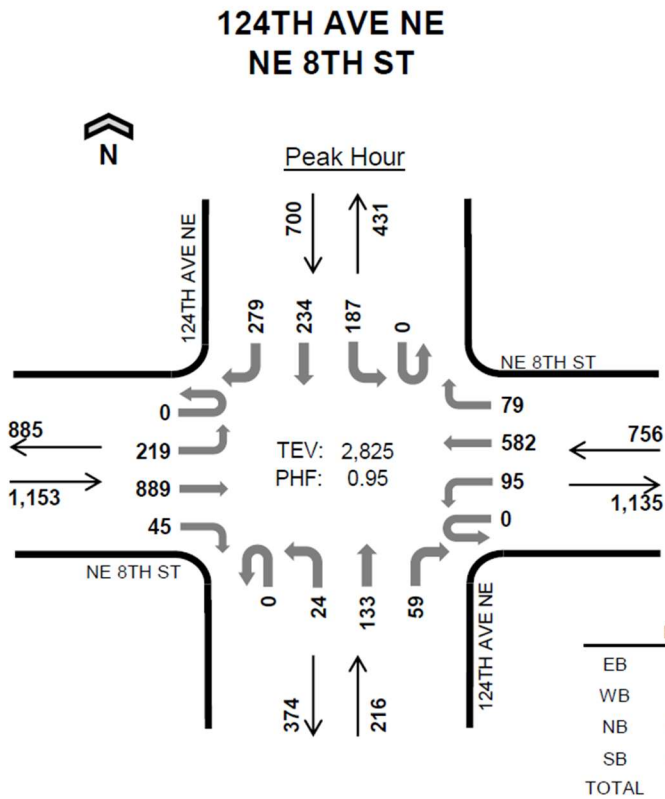


Intersection Leg	North	West	South	East
# Lanes Exiting	1	2	1	2
# Lanes Entering	3	3	2	3
Turn Lanes	1 Left and 1 Right	1 Left	1 Left	1 Left
Through Lanes	1	2	1	2
Speed Limit	30	30	25	35
Sidewalks?	Both Sides	Both Sides	Both Sides	Both Sides
Curbside Information	No Facilities	Bus Stop on north side	No Facilities	Bus stop on South side
Other Information		Narrow Shoulder on both sides	Stamped concrete treatment	Narrow Shoulder on both sides

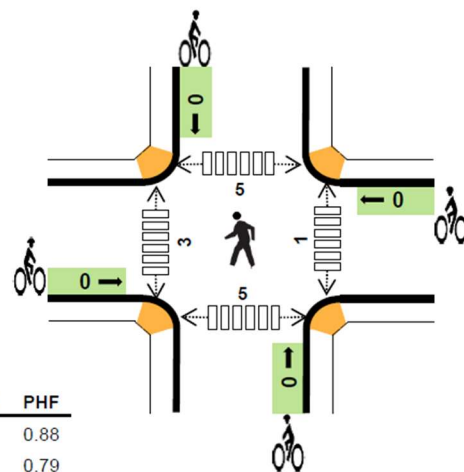
Land Use



Traffic Volumes



Date: Tue, Jan 23, 2018
 Count Period: 4:30 PM to 6:30 PM
 Peak Hour: 4:45 PM to 5:45 PM



	HV %:	PHF
EB	1.0%	0.88
WB	1.6%	0.79
NB	2.3%	0.93
SB	2.3%	0.83
TOTAL	1.6%	0.95

Location: NE 8TH ST W/O 124TH AVE NE
 Date Range: 9/23/2017 - 9/29/2017
 Site Code: 27



Time	Saturday			Sunday			Monday			Tuesday			Wednesday			Thursday			Friday			Mid-Week Average				
	9/23/2017			9/24/2017			9/25/2017			9/26/2017			9/27/2017			9/28/2017			9/29/2017							
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB
12:00 AM	196	132	328	208	122	330	80	48	128	83	49	132	105	46	151	75	54	129	103	62	165	88	50	137		
1:00 AM	96	66	162	101	76	177	22	19	41	42	34	76	83	39	122	47	35	82	47	36	83	57	36	93		
2:00 AM	77	67	144	67	65	132	21	19	40	45	30	75	45	27	72	47	29	76	39	33	72	46	29	74		
3:00 AM	41	28	69	40	34	74	42	17	59	35	19	54	30	23	53	38	39	77	30	24	54	34	27	61		
4:00 AM	29	42	71	31	29	60	71	56	127	74	45	119	74	49	123	85	54	139	73	51	124	78	49	127		
5:00 AM	50	63	113	38	62	100	193	154	347	207	159	366	219	168	387	206	159	365	189	151	340	211	162	373		
6:00 AM	142	141	283	70	100	170	395	321	716	407	363	770	386	350	736	385	326	711	363	319	682	393	346	739		
7:00 AM	268	260	518	129	139	268	528	653	1,181	559	703	1,262	596	703	1,299	566	669	1,235	540	627	1,167	574	662	1,265		
8:00 AM	522	491	1,013	245	238	483	723	945	1,668	744	966	1,730	731	952	1,683	773	932	1,705	721	908	1,629	749	957	1,706		
9:00 AM	610	708	1,318	413	429	842	737	923	1,660	701	971	1,672	723	1,014	1,737	752	984	1,736	729	998	1,727	725	990	1,715		
10:00 AM	779	839	1,618	557	585	1,142	731	818	1,549	785	898	1,683	763	821	1,584	758	873	1,631	741	930	1,671	769	864	1,633		
11:00 AM	845	932	1,777	625	691	1,316	805	822	1,627	878	922	1,800	845	877	1,722	821	883	1,684	905	843	1,748	848	887	1,735		
12:00 PM	870	1,080	1,930	717	887	1,604	854	954	1,808	894	1,015	1,909	869	897	1,766	896	969	1,865	931	995	1,926	886	960	1,847		
1:00 PM	900	1,069	1,969	719	801	1,520	867	941	1,808	907	985	1,892	930	985	1,915	804	844	1,648	936	996	1,932	880	938	1,818		
2:00 PM	877	975	1,852	671	740	1,411	819	851	1,670	841	917	1,758	921	977	1,898	866	850	1,716	902	988	1,890	876	915	1,791		
3:00 PM	883	1,015	1,898	747	685	1,432	902	947	1,849	994	980	1,974	946	935	1,881	919	982	1,901	1,017	979	1,996	953	966	1,919		
4:00 PM	832	856	1,688	691	786	1,477	1,036	944	1,980	1,013	1,003	2,016	1,011	1,001	2,012	1,025	997	2,022	1,062	1,017	2,079	1,016	1,000	2,017		
5:00 PM	784	826	1,610	778	781	1,559	1,199	1,013	2,212	1,085	1,049	2,134	1,134	1,039	2,173	1,136	1,042	2,178	1,199	1,023	2,222	1,118	1,043	2,162		
6:00 PM	775	756	1,531	691	617	1,308	882	868	1,750	896	896	1,792	917	917	1,834	900	949	1,849	979	908	1,887	904	921	1,825		
7:00 PM	679	649	1,328	629	470	1,099	633	701	1,334	722	751	1,473	663	774	1,437	643	755	1,398	780	773	1,553	676	780	1,436		
8:00 PM	548	481	1,029	414	411	825	548	552	1,100	538	514	1,052	528	549	1,077	603	563	1,166	587	663	1,250	556	542	1,098		
9:00 PM	463	403	866	334	290	624	363	363	726	473	368	841	404	406	810	449	416	865	499	537	1,036	442	397	839		
10:00 PM	334	259	593	202	143	345	224	157	381	279	216	495	273	210	483	263	216	479	342	302	644	272	214	486		
11:00 PM	255	175	430	164	82	246	130	95	225	163	113	276	186	120	306	196	95	291	258	176	434	182	109	291		
Total	11,845	12,293	24,138	9,281	9,263	18,544	12,805	13,181	25,986	13,365	13,986	27,351	13,382	13,879	27,261	13,253	13,695	26,948	13,972	14,339	28,311	13,333	13,853	27,187		
Percent	49%	51%		50%	50%		49%	51%		49%	51%		49%	51%		49%	51%		49%	51%		49%	51%			

1. Mid-week average includes data between Tuesday and Thursday.

Vehicle Speed Report Summary

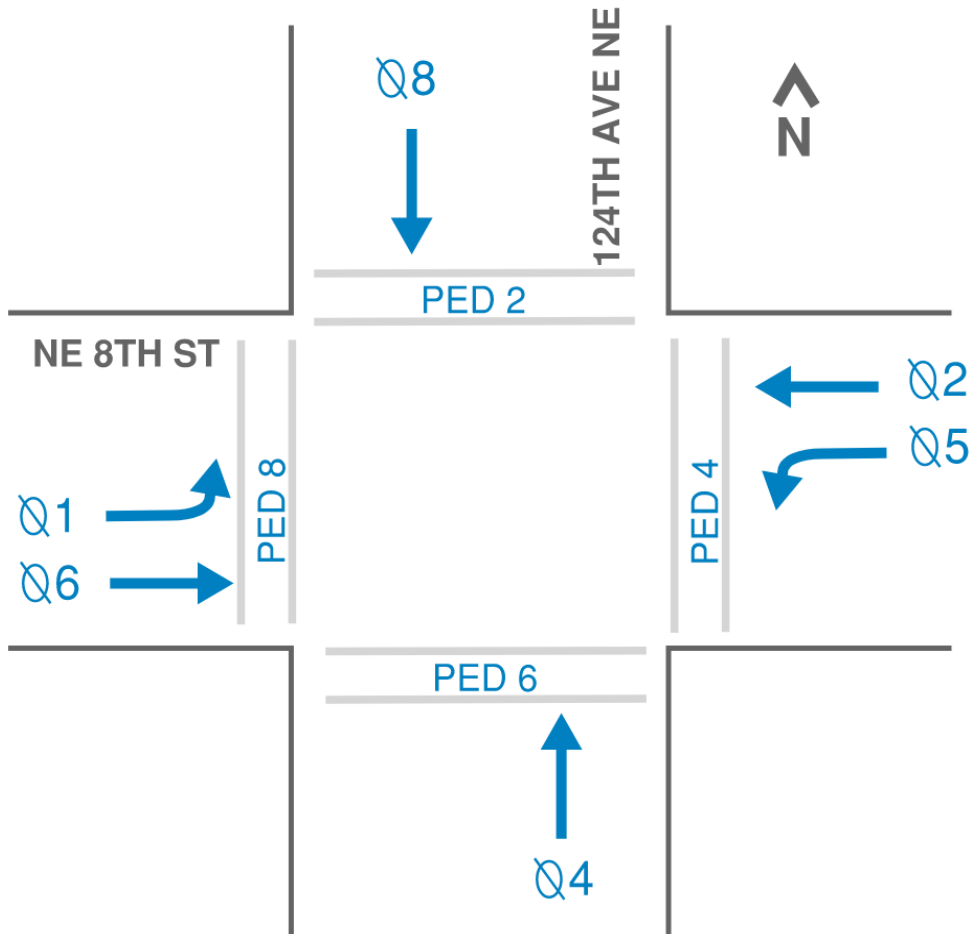


Location: NE 8TH ST W/O 124TH AVE NE
 Count Direction: Eastbound / Westbound
 Date Range: 9/23/2017 to 9/29/2017
 Site Code: 27

	Speed Range (mph)																Total Volume							
	0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	50 - 55	55 - 60	60 - 65	65 - 70	70 - 75	75 - 80	80 - 85		85 +						
Study Total																								
Eastbound	664	3,128	8,428	16,163	24,347	24,448	8,831	1,178	112	19	5	2	0	0	0	0	0	0	0	0	0	0	87,325	
Percent	0.8%	3.6%	9.7%	18.5%	27.9%	28.0%	10.1%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	
Westbound	434	944	2,300	10,919	36,706	27,851	8,820	1,807	287	52	11	6	2	1	0	0	0	0	0	0	0	0	90,140	
Percent	0.5%	1.0%	2.6%	12.1%	40.7%	30.9%	9.8%	2.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	
Total	1,098	4,072	10,728	27,082	61,053	52,299	17,651	2,985	399	71	16	8	2	1	0	0	0	0	0	0	0	0	177,465	
Percent	0.6%	2.3%	6.0%	15.3%	34.4%	29.5%	9.9%	1.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	

Total Study Percentile Speed Summary		Total Study Speed Statistics	
Eastbound		Eastbound	
50th Percentile (Median)	28.1 mph	Mean (Average) Speed	27.6 mph
85th Percentile	34.1 mph	10 mph Pace	24.4 - 34.4 mph
95th Percentile	37.1 mph	Percent in Pace	55.8 %
Westbound		Westbound	
50th Percentile (Median)	29.1 mph	Mean (Average) Speed	29.3 mph
85th Percentile	34.2 mph	10 mph Pace	24.5 - 34.5 mph
95th Percentile	37.8 mph	Percent in Pace	71.9 %
3-Day Percentile Speed Summary		3-Day Speed Statistics	
Eastbound		Eastbound	
50th Percentile (Median)	27.6 mph	Mean (Average) Speed	27.0 mph
85th Percentile	33.8 mph	10 mph Pace	23.6 - 33.6 mph
95th Percentile	36.8 mph	Percent in Pace	54.2 %
Westbound		Westbound	
50th Percentile (Median)	28.9 mph	Mean (Average) Speed	29.0 mph
85th Percentile	34.0 mph	10 mph Pace	24.4 - 34.4 mph
95th Percentile	37.4 mph	Percent in Pace	71.6 %

Signal Timing Summary



Signal Phase	1	2	3	4	5	6	7	8
Green Min	5	7	-	5	5	7	-	5
Yellow	4	4	-	4	4	4	-	4
Red	1	1	-	1	1	1	-	1
Average Split PM	20	76	-	46	13	69	-	46
Left Turn	pro-per	-	permissive	-	pro-per	-	permissive	-
Lead or Lag	lag	-	-	-	lead	-	-	-
Pedestrian Phase	1	2	3	4	5	6	7	8
Walk	-	6	-	5	-	5	-	5
Flash Don't Walk	-	12	-	16	-	11	-	17

Cycle Length

Min	90
Max	135

Notes

- Phase 1 and 5 are FYA for permissive phase
- E-W has green extension for Transit Signal Priority

Crash Summary

Intersection Name 124th Ave NE and NE 8th St
 Years 2015-2019

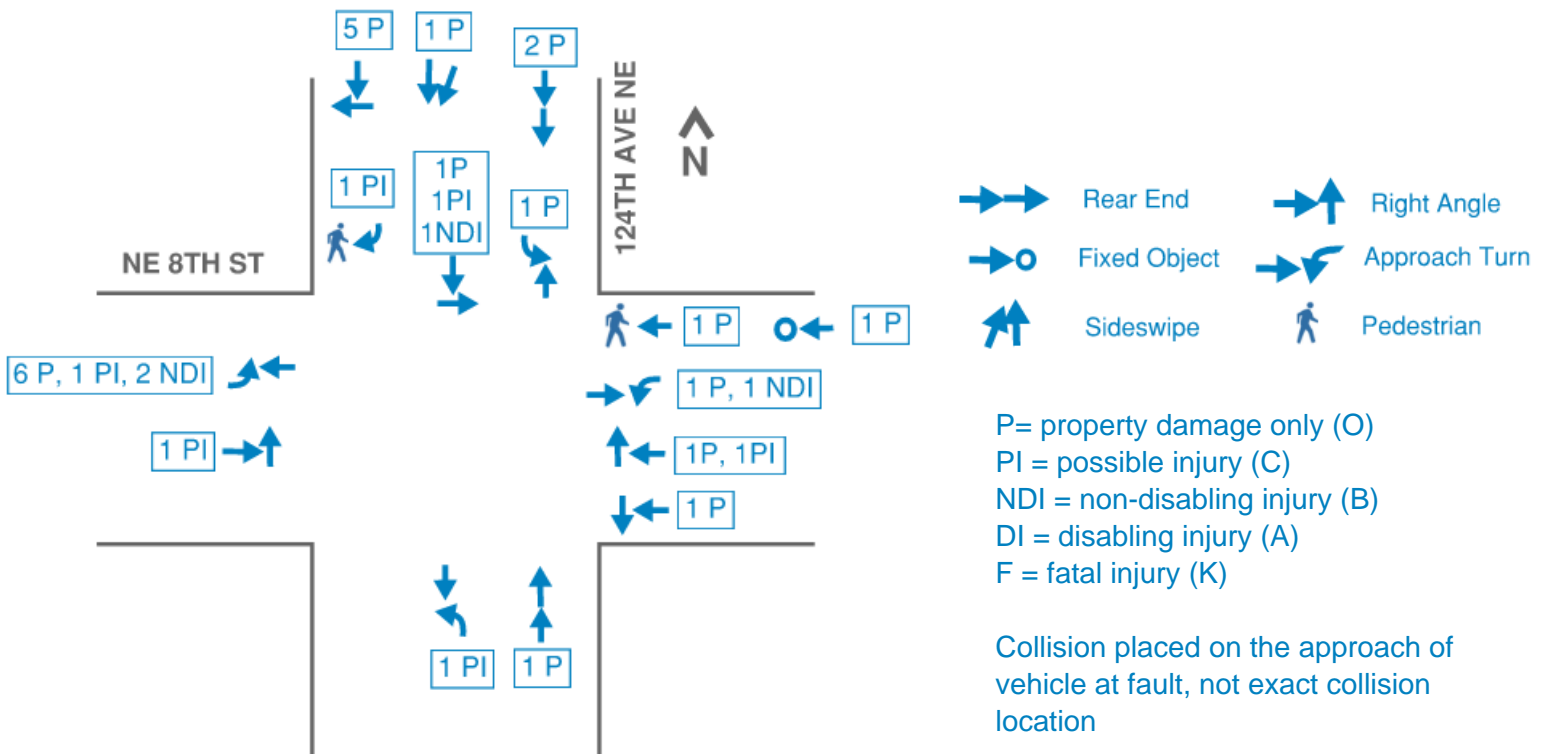
Collision Type By Year

	2015	2016	2017	2018	2019	Total
Approach Turn	4	2	2	2	3	13
Backing	0	0	0	0	0	0
Bicycle	0	0	0	0	0	0
Other	0	0	0	0	0	0
Parked Vehicle/Fixed Object	0	1	0	0	0	1
Pedestrian	0	0	0	0	2	2
Rear End	0	1	1	1	0	3
Right Angle (T-bone)	1	4	4	3	0	12
Sidewipes/Change Lanes	0	0	1	0	0	1
Total	5	8	8	6	5	32

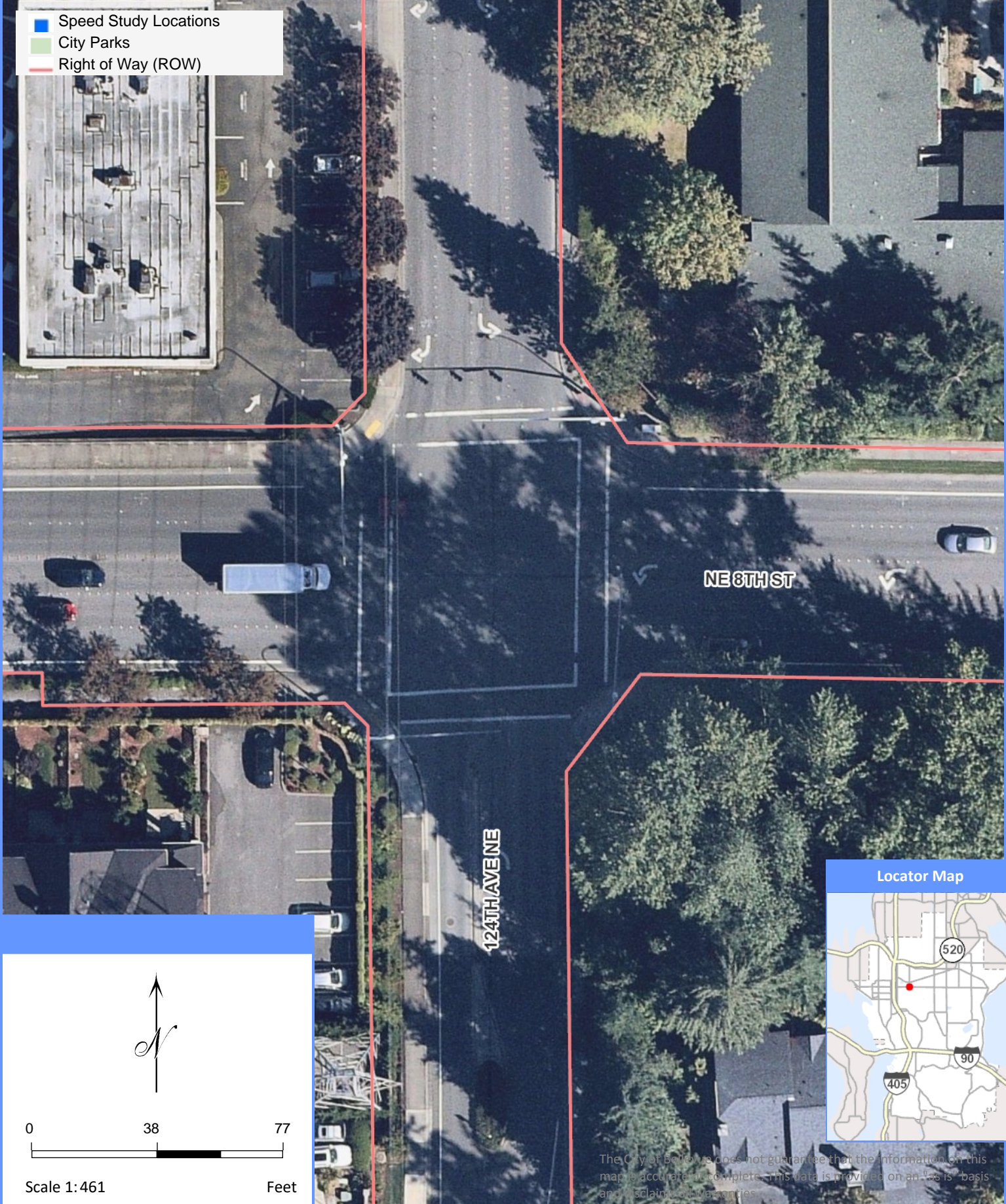
Injuries By Year*

	2015	2016	2017	2018	2019	Total
Non-Injury (O)	3	7	6	3	2	21
Possible Injury (C)	2	2	2	2	4	12
Non-Disabling Injury (B)	1	0	1	1	1	4
Disabling Injury (A)	0	0	0	0	0	0
Fatal Injury (K)	0	0	0	0	0	0
Total	6	9	9	6	7	37

*One collision can have multiple injuries so # of Injury and # of Collisions are not equal



- Speed Study Locations
- City Parks
- Right of Way (ROW)



North arrow pointing up with 'N' and a scale bar showing 0, 38, and 77 feet. Below the scale bar is the text 'Scale 1:461' and 'Feet'.

The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and is subject to change without notice.