

Roaring Springs Traffic Study

February 9th, 2016

Kevin Reaves, Chief of Police

Roaring Springs Traffic Study

Roaring Springs Rd is an arterial roadway which serves as a connector between Interstate 30 and Westworth Blvd-SH 183 with a 35 MPH speed limit .

- The traffic study has been conducted between Seymour and Leonard Trail.
- Survey was conducted from on 12-15-15 thru 1-04-16.
- The trailer remained in place for three weeks to monitor the traffic patterns during the week as compared to the weekends in both directions.

Roaring Springs Traffic Study

Speed versus Volume North Bound

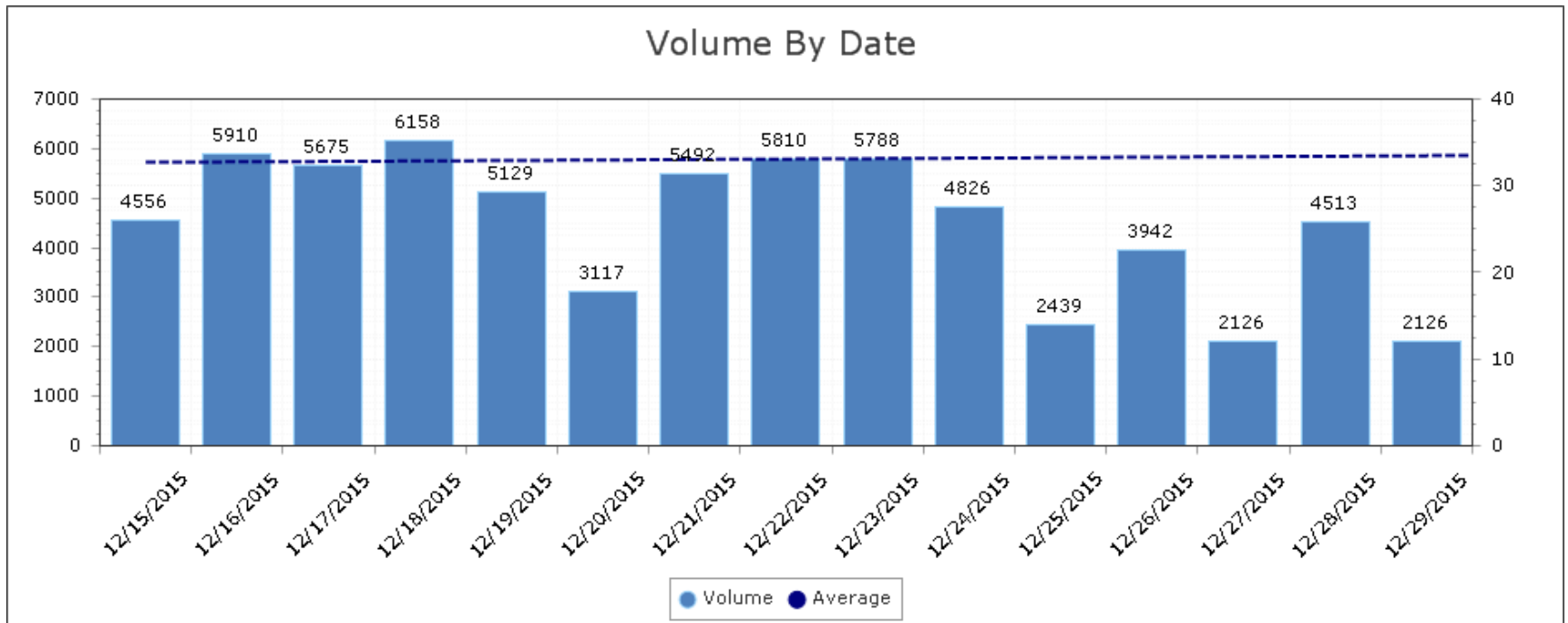
Date	Speed Limit	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	Mean Speed	Total # Vehicles
12/15/2015	30, 35	36	98	52	42	80	629	2,150	1,210	237	20	2	0	0	0	33.0	4,556
12/16/2015	35	1	50	68	46	61	644	2,717	1,856	415	44	8	0	0	0	34.2	5,910
12/17/2015	35	3	45	72	46	69	620	2,724	1,644	389	55	7	0	1	0	34.0	5,675
12/18/2015	35	13	72	77	50	76	555	2,883	1,929	452	43	6	2	0	0	34.1	6,158
12/19/2015	35	3	49	70	36	64	535	2,279	1,602	415	68	7	1	0	0	34.4	5,129
12/20/2015	35	0	22	40	19	36	350	1,378	982	256	30	3	1	0	0	34.3	3,117
12/21/2015	35	2	51	58	53	88	593	2,540	1,705	364	29	9	0	0	0	34.1	5,492
12/22/2015	35	26	56	78	43	66	613	2,883	1,629	356	55	4	1	0	0	33.8	5,810
12/23/2015	35	4	67	78	53	73	579	2,630	1,828	441	35	0	0	0	0	34.1	5,788
12/24/2015	35	0	37	67	40	69	442	2,107	1,594	408	56	5	1	0	0	34.5	4,826
12/25/2015	35	8	55	60	31	47	227	992	762	197	52	5	3	0	0	33.8	2,439
12/26/2015	35	10	36	59	32	47	323	1,679	1,354	340	57	4	0	1	0	34.5	3,942
12/27/2015	35	0	26	41	11	33	231	951	682	132	15	4	0	0	0	33.9	2,126
12/28/2015	35	2	34	59	49	51	430	2,172	1,342	335	35	4	0	0	0	34.2	4,513
12/29/2015	35	8	33	30	23	56	229	947	651	143	6	0	0	0	0	33.6	2,126
Total # Vehicles		116	731	909	574	916	7,000	31,032	20,770	4,880	600	68	9	2	0	34.0	67,607

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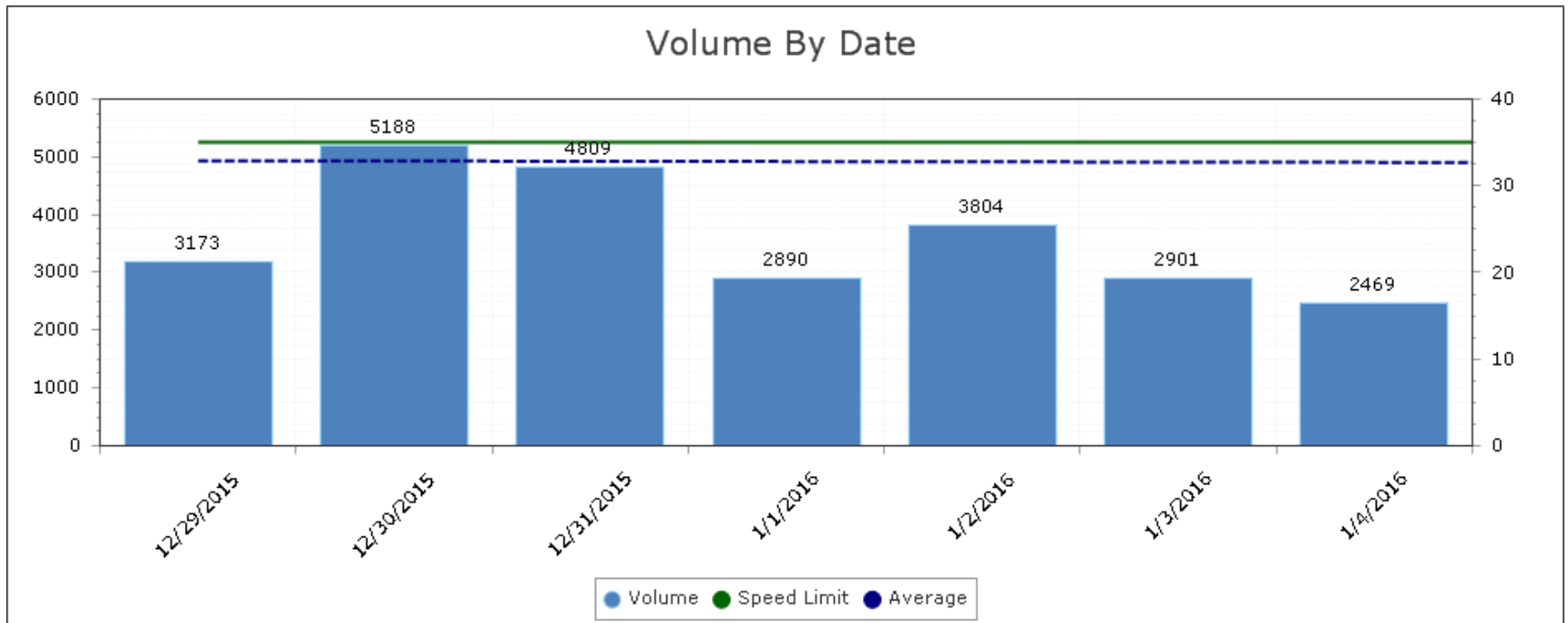
Speed Versus Volume South Bound

Date	Speed Limit	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	Mean Speed	Total # Vehicles
12/29/2015	35	3	33	44	61	115	467	1,475	813	148	10	4	0	0	0	32.9	3,173
12/30/2015	35	4	53	61	99	187	727	2,291	1,460	273	29	1	3	0	0	33.2	5,188
12/31/2015	35	3	49	75	87	149	699	2,245	1,235	239	24	2	2	0	0	33.0	4,809
1/1/2016	35	8	32	39	56	73	387	1,402	710	151	26	3	3	0	0	33.1	2,890
1/2/2016	35	3	38	56	58	111	572	1,802	922	212	26	2	2	0	0	33.0	3,804
1/3/2016	35	0	34	47	68	86	362	1,314	786	183	20	1	0	0	0	33.2	2,901
1/4/2016	35	1	29	36	45	77	336	1,099	677	155	11	3	0	0	0	33.2	2,469
Total # Vehicles		22	268	358	474	798	3,550	11,628	6,603	1,361	146	16	10	0	0	33.1	25,234

Roaring Springs Traffic Study



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Roaring Springs Traffic Summary

North Bound

Total Days of Data	15
Speed Limit(s)	35
Average Speed	33.22
50th Percentile Speed	33.46
85th Percentile Speed	37.42
Pace speed range	33 to 42
Maximum Speed	62
Minimum Speed	5
Display Status?	Displaying Speed Feedback
Average Volume per Day	5,141.64
Total Volume	67,607



Westworth Village

The Hidden Jewel of the Metroplex.

POLICE

Roaring Springs Traffic Study Summary

South Bound

Total Days of Data	7
Speed Limit	35
Average Speed	32.79
50th Percentile Speed	33.24
85th Percentile Speed	37.14
Pace speed range	33 to 42
Maximum Speed	59
Minimum Speed	5
Display Status?	Displaying Speed Feedback
Average Volume per Day	4,158.49
Total Volume	25,234

Roaring Springs Traffic Findings

- The traffic count on Roaring Springs Rd averages 9,300 vehicles per day for both directions.
- The 85th percentile is **37 MPH** and the survey indicated **4,333** vehicles, which is approx. **40 %** of the vehicular traffic on Roaring Springs Rd was exceeding the posted 35 MPH speed limit.
- The maximum speed recorded was **62 MPH** and the majority of speed violations occur between 1100 hrs and 1900 hrs every day of the week.

Roaring Springs Traffic Study Findings

- The actual number of vehicles using Roaring Springs may be higher as a result of Base traffic on Saturday and Sundays. A Comprehensive survey needs to be conducted over a four week period in order to account for the volume of traffic accessing the Joint Reserve Base for UTA's.

Roaring Springs Traffic Study Recommendations

- The goal of the Westworth Village Police Department in this study was to educate motorists of their speed on Roaring Springs through the use of the visual display of speed on the SMART trailer.
- Based upon the information gathered from this survey, the Westworth Village Police Department will conduct high visibility traffic enforcement in an effort to reduce the speed of vehicles utilizing Roaring Springs.
- After 8 weeks of high visibility enforcement, a second traffic survey will be conducted to determine if the 85th percentile vehicle speed has decreased and measure the volume of traffic during normal traffic periods.