

Koldin Lane Traffic Study

March 8, 2016

Kevin Reaves, Chief of Police

Koldin Lane Traffic Study

Koldin Lane is a residential street with a 20 MPH speed limit which is contrary to the 30 MPH speed limit established by the Texas State Statutes for residential speed limits in a General Law city.

- In February of 2016, the speed humps were removed from Koldin Lane due to complaints by a resident of vehicles driving in to yards to avoid the speed bumps.
- Since the removal of the speed humps, there have been several complaints of speeding motorists on Koldin Lane

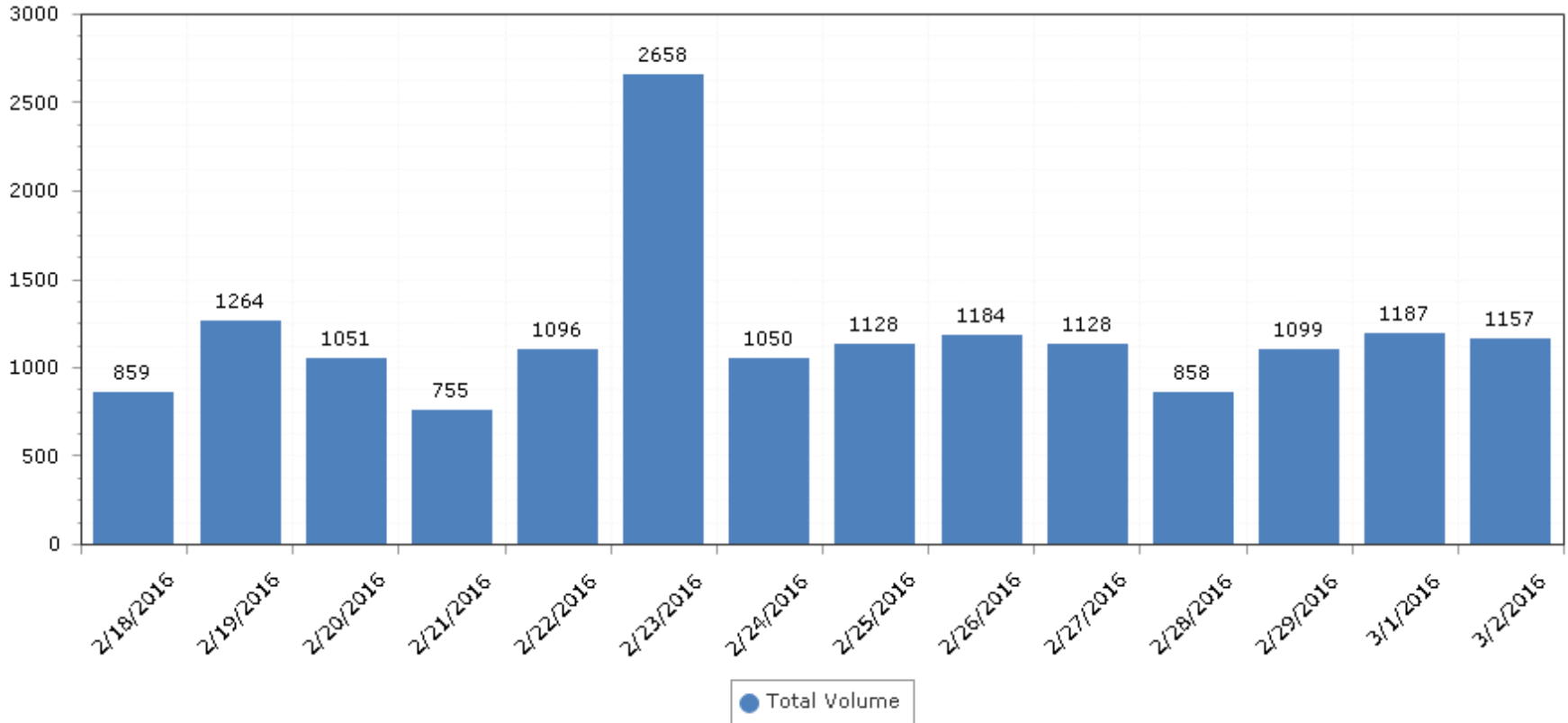
Koldin Lane Traffic Study

- The traffic study has been conducted at the 100 block of Koldin Lane.
- Survey was conducted from on 2-18-16 and remained there thru 3-23-16.
- The trailer remained in place for two weeks to monitor the traffic patterns during the week as compared to the weekend.

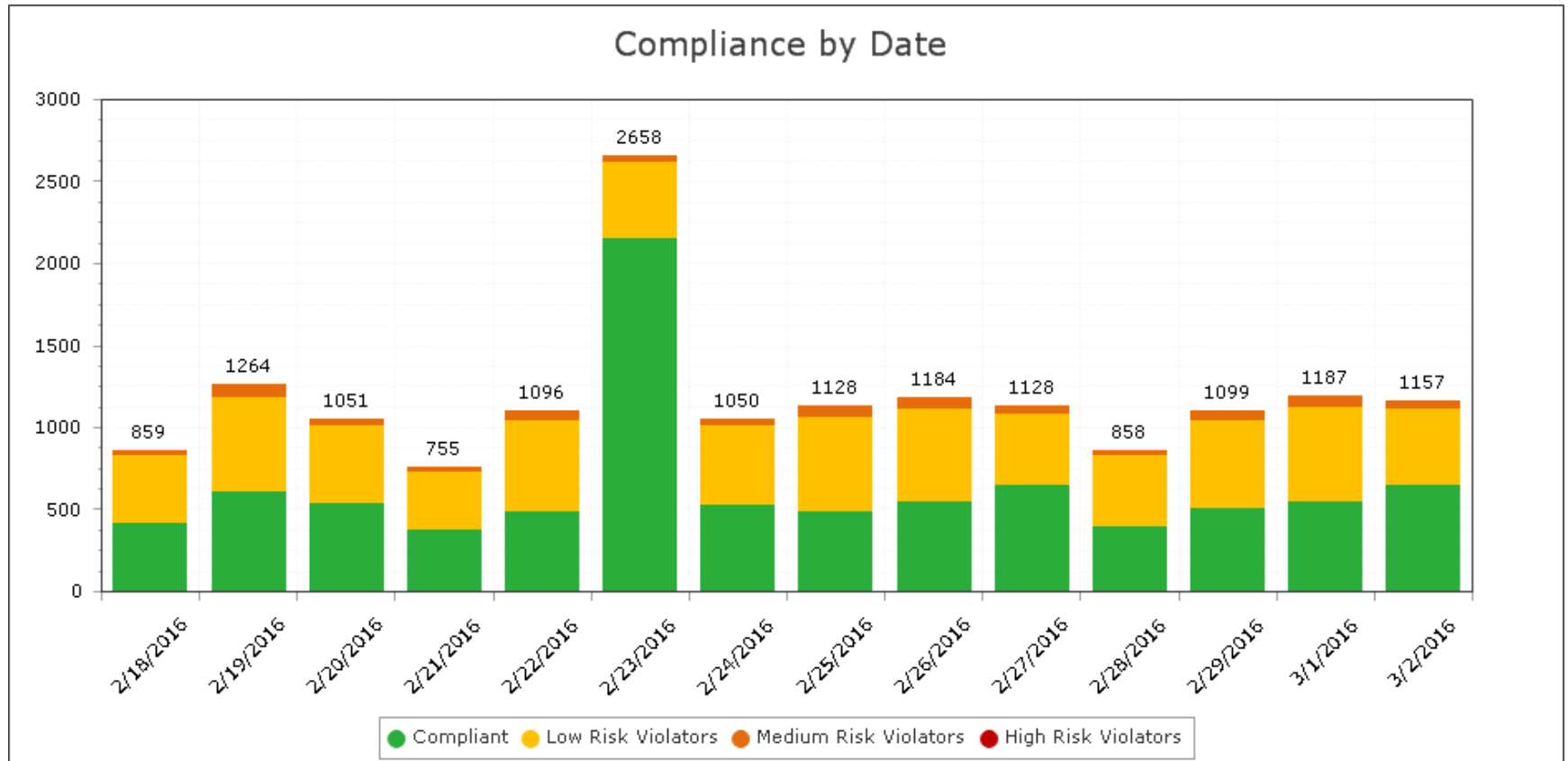
Date	Speed Limit	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	Mean Speed	Total # Vehicles
2/18/2016	20	14	32	65	318	282	124	16	3	0	3	1	1	0	20.6	859
2/19/2016	20	9	50	105	449	436	147	60	8	0	0	0	0	0	20.9	1,264
2/20/2016	20	6	62	103	376	343	128	28	4	1	0	0	0	0	20.2	1,051
2/21/2016	20	22	59	52	252	278	77	13	2	0	0	0	0	0	19.5	755
2/22/2016	20	11	27	92	369	388	168	37	4	0	0	0	0	0	21.0	1,096
2/23/2016	20	548	1,176	119	316	340	130	27	2	0	0	0	0	0	11.4	2,658
2/24/2016	20	9	45	95	390	347	134	28	2	0	0	0	0	0	20.4	1,050
2/25/2016	20	2	30	71	393	402	172	53	5	0	0	0	0	0	21.6	1,128
2/26/2016	20	7	51	81	421	420	141	61	2	0	0	0	0	0	20.9	1,184
2/27/2016	20	41	108	130	377	330	107	29	6	0	0	0	0	0	18.8	1,128
2/28/2016	20	6	27	71	297	326	114	17	0	0	0	0	0	0	20.8	858
2/29/2016	20	11	24	91	385	401	141	42	4	0	0	0	0	0	20.9	1,099
3/1/2016	20	11	42	85	417	414	166	48	4	0	0	0	0	0	21.0	1,187
3/2/2016	20	14	80	104	454	351	120	32	2	0	0	0	0	0	19.7	1,157
Total # Vehicles	20	711	1,813	1,264	5,214	5,058	1,869	491	48	1	3	1	1	0	19.8	16,474

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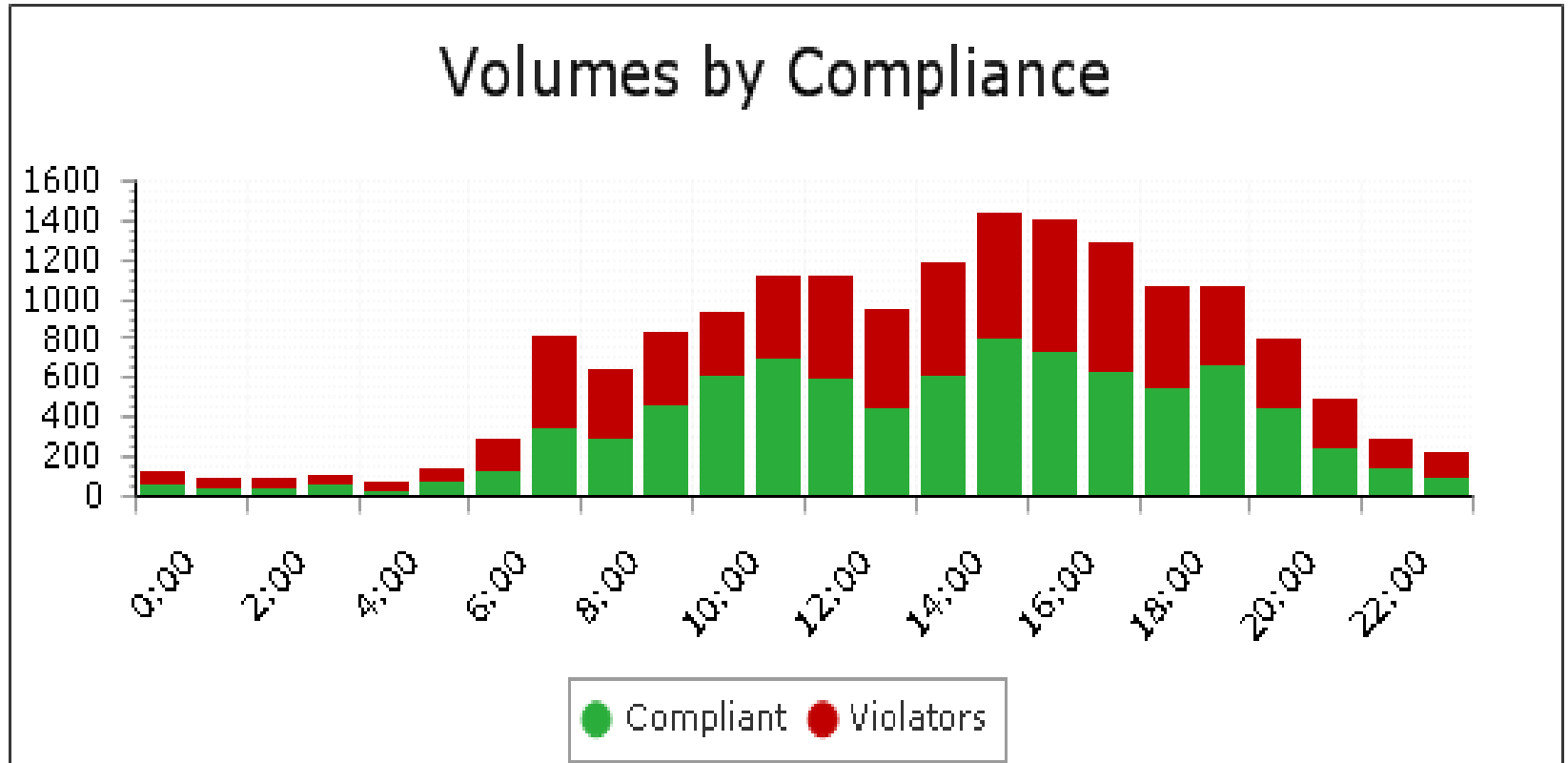
Total Volume by Date



Koldin Lane Traffic Study



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Koldin Lane Traffic Summary

Overall Summary

Total Days of Data	14
Speed Limit(s)	20
Average Speed	18.92
50th Percentile Speed	18.23
85th Percentile Speed	22.79
Pace speed range	19 to 28
Maximum Speed	58
Minimum Speed	5
Display Status?	Displaying Speed Feedback
Average Volume per Day	1,233
Total Volume	16,479

Koldin Lane Traffic Findings

- 16, 474 vehicles traveled on Koldin Lane during the survey period
- 8,992 vehicles traveling on Koldin Lane were at 20 MPH or below.
- 5, 085 vehicles were traveling between 20 and 25 MPH
- 1,869 vehicles were traveling between 26 MPH and 30 MPH
- Upon evaluating the data from the study, we were able to determine there were **548** out of 16,474 vehicles using Koldin Lane traveling over 30 MPH.

Koldin Lane Traffic Recommendations

- The goal of the Westworth Village Police Department in this study was to educate the residents of Koldin Lane as well as the drivers in the actual speeds of cars upon the roadway through the use of the visual display of speed on the SMART trailer.
- Upon conducting a compliance and risk analysis of Koldin Lane, we determined the majority of vehicles utilizing Koldin Lane would be within compliance of the speed limit if it was posted at 30 MPH.
- The traffic study determined the 85th percentile for Koldin Lane to be **22.79 MPH** in a posted **20 MPH** speed zone.
- Based upon the information gathered from this survey, my recommendation is the speed limit on Koldin Lane needs to be more closely aligned with the 85th percentile.