

Memorandum

Date: October 24, 2019 Project: LGA004-10

To: Mr. Jessy Pu From: Mark Spencer

mspencer@w-trans.com
Allison Woodworth
awoodworth@w-trans.com

Subject: Hillbrook School Monitoring for Planning Commission – Fall 2019

Traffic Engineer - Town of Los Gatos

W-Trans has initiated the 2019 – 2020 traffic monitoring of Hillbrook School in Los Gatos. We have verified the functionality of the Sensys system and Hillbrook School has ensured that the backup pneumatic tube counters are functioning properly.

Sensys staff have previously performed an independent validation of the county system and concluded the daily counts are showing between 97% and 99.75% accuracy. The Sensys sensors are self-calibrating and self-tuning and are upgraded remotely as new software is released.

W-Trans recently conducted three-day video counts (24 hours per count), manually counted from the video recording, at the location of the Sensys counters on September 18, 2019, October 1, 2019, and October 17, 2019. The purpose of this memo is to summarize the results of the manual counts and compare the data to Sensys data for the same time period. The number of trips did not exceed the Conditional Use Permit maximum number of trips during the data collection period.

Existing Conditions

The Hillbrook School is located at 300 Marchmont Drive in the Town of Los Gatos. According to Condition 17 of the School's Conditional Use Permit, "the maximum number of daily vehicle trips shall not exceed 880." The School can identify up to 10 exception days where they are permitted to exceed the maximum number of daily trips, however, the total number of trips on these exception days shall not exceed 960. During the summer trimester "the maximum number of daily vehicle trips shall not exceed 300." The school maintains two Sensys magnetometer traffic counters embedded in the pavement of the exit lane outside the school's gate, approximately 20 feet apart. These magnetometers (Sensys counters) are calibrated to detect the presence of vehicles and motorcycles but not bicycles or other non-motorized means of transportation. Hillbrook School has only one vehicular access point, and because of this it is assumed that all exit trips also made an entrance trip through this location. For reporting purposes, the maximum of either Exit A or Exit B is used to determine the number of daily trips.

The Conditional Use Permit also outlines the requirements of manual data collection in Condition 19 and "the school shall be considered out of compliance if any mechanical readings exceed the Sensys counts by more than five percent and where the readings are above the maximum number of daily vehicle trips."

A permanent backup pneumatic tube counter, a MetroCount MC56000 Vehicle Classifier System, is located in both the entrance and exit lanes just outside of the School's gate. Pneumatic tube systems utilize rubber tubes placed across traffic lanes in specific configurations. When a vehicle travels over the tube the air pressure in the tube is

compressed and this compression triggers an event recording. The system is programed to classify vehicles based on the distance between the front and rear axle. The School's MetroCount system counts the total number of trips, both entrance and exit trips.

24-hour Manual Counts and Observations

For the 2019 Fall Trimester, traffic counts were obtained on Marchmont Drive on September 18, 2019, October 1, 2019, and October 17, 2019. Wednesday September 18 and Thursday, October 17 were typical school days. Tuesday October 1 was an exception day, as daytime home games were scheduled on-campus.

The traffic counts based on video taken by W-Trans represent the total sum of entrance and exit trips for 24-hours, broken down into 15-minute intervals. The Sensys counts represent the exit trips for the same 24-hour period. In order to convert exit trips to both entrance and exit trips, the maximum count from either Exit A or Exit B was determined and then doubled (assuming one trip in is equivalent to one trip out). The data from the Exit A sensor was higher than the data from the Exit B sensor on September 18 and October 17, so the Sensys counts compared to the video counts on those days were the doubled count from the Exit A sensor. On Tuesday October 1, there were no Sensys counts recorded prior to 9:30 a.m., which is atypical of regular vehicle egress from Hillbrook School during the morning period. By performing a manual review of video counts, it was determined that over 100 vehicles exited Hillbrook School prior to 9:30 a.m. It is reasonable to assume that the Sensys counters experienced an outage during the morning of October 1, and thus the Sensys data collected on that day is not reasonable to analyze. Therefore, the backup tube counter data was requested from the school and compared to the manual video data collection. The raw Sensys data, tube count data, and video counts are attached. The manual counts were then compared to the Sensys data for the same time period in Table 1.

Date	Day of the Week	Counts (# of Vehicles)		Summary of Counts	
		Video	Sensys	Percent Difference	Difference in Trips
09/18/19	Wednesday	752	694	8,02%	58
10/01/19	Tuesday	784	774*	1.28%	10
10/17/19	Thursday	748	790	5.46%	42
Average		761	753	4.84%	37

Note: Red Text = value exceeds conditional use permit threshold; *=data from backup tube counter system

The manually counted video counts were reviewed to ensure accuracy. The video counts were higher than the Sensys counts on September 18 and October 1, while the Sensys counts on October 17 were higher than the video counts. On both October 1 and October 17, the percent difference was larger than five percent. However, the average difference, overall, was less than five percent. Additionally, none of the data points exceeded the Conditional Use Permit daily trip cap.

If the highest percent difference, calculated for data collected on September 18 (8.02%), were added to the Sensys count from each school day during the first eight weeks of the 2019 Fall Trimester, Hillbrook School still would still not exceed the maximum number of trips.

Conclusions

• The video counts and the Sensys counts, on average, were 4.84% different. The total number of trips for the video counts did not exceed the Conditional Use Permit maximum number of trips.

- The Sensys system and MetroCount backup system are functioning properly, as of October 22, 2019.
- During the first eight weeks of the Fall Trimester, Hillbrook School has not exceeded the maximum number of daily trips (880) even on one exception day. The daily summary of Sensys counts through October 22, 2019 is shown in Table 2.

Table 2 – Daily Sensys Count Summary						
Date	Day of the Week		Counts ehicles)	Summary of Sensys Counts		Notes
		Exit A	Exit B	Percent Difference	Daily Trips	
08/28/19	Wednesday	256	228	11.6%	512	
08/29/19	Thursday	351	324	8.0%	702	
08/30/19	Friday	316	309	2.2%	632	
08/31/19	Saturday	18	15	18.2%	36	
09/01/19	Sunday	10	8	22.2%	20	
09/02/19	Monday	13	11	16.7%	26	No School
09/03/19	Tuesday	350	333	5.0%	700	
09/04/19	Wednesday	315	300	4.9%	630	
09/05/19	Thursday	363	324	11.4%	726	
09/06/19	Friday	390	357	8.8%	780	Exception Day
09/07/19	Saturday	18	19	5.4%	38	
09/08/19	Sunday	23	15	42.1%	46	
09/09/19	Monday	356	341	4.3%	712	
09/10/19	Tuesday	356	326	8.8%	712	
09/11/19	Wednesday	367	332	10.0%	734	
09/12/19	Thursday	411	372	10.0%	822	Exception Day
09/13/19	Friday	342	309	10.1%	684	
09/14/19	Saturday	18	16	11.8%	36	
09/15/19	Sunday	18	17	5.7%	36	
09/16/19	Monday	386	371	4.0%	772	
09/17/19	Tuesday	345	327	5.4%	690	
09/18/19	Wednesday	347	331	4.7%	694	
09/19/19	Thursday	356	323	9.7%	712	
09/20/19	Friday	330	326	1.2%	660	
09/21/19	Saturday	18	21	15.4%	42	
09/22/19	Sunday	15	17	12.5%	34	
09/23/19	Monday	365	353	3.3%	730	
09/24/19	Tuesday	377	367	2.7%	754	

Table 2 –	Daily Sensys Count	Summary				
Date	Day of the Week		Counts ehicles)	Summary of Se	ensys Counts	Notes
		Exit A	Exit B	Percent Difference	Daily Trips	
09/25/19	Wednesday	345	340	1.5%	690	
09/26/19	Thursday	351	335	4.7%	702	
09/27/19	Friday	343	331	3.6%	686	
09/28/19	Saturday	26	21	21.3%	52	
09/29/19	Sunday	14	13	7.4%	28	
09/30/19	Monday	370	352	5.0%	740	
10/01/19	Tuesday	-	-	-	774	Tube Count Backup Data
10/02/19	Wednesday	373	369	1.1%	746	
10/03/19	Thursday	369	348	5.9%	738	
10/04/19	Friday	356	340	4.6%	712	
10/05/19	Saturday	16	17	6.1%	34	
10/06/19	Sunday	9	6	40.0%	18	×
10/07/19	Monday	31	27	13.8%	62	No School
10/08/19	Tuesday	368	353	4.2%	736	
10/09/19	Wednesday	327	316	3.4%	654	
10/10/19	Thursday	377	358	5.2%	754	
10/11/19	Friday	350	340	2.9%	700	
10/12/19	Saturday	22	24	8.7%	48	
10/13/19	Sunday	17	14	19.4%	34	
10/14/19	Monday	382	368	3.7%	764	
10/15/19	Tuesday	378	380	0.5%	760	
10/16/19	Wednesday	358	343	4.3%	716	
10/17/19	Thursday	395	392	0.8%	790	
10/18/19	Friday	396	373	6.0%	792	
10/19/19	Saturday	16	17	6.1%	34	
10/20/19	Sunday	12	14	15.4%	28	
10/21/19	Monday	400	383	4.3%	800	
10/22/19	Tuesday	386	369	4.5%	772	

Note: Red Text = value exceeds conditional use permit threshold; Green Text = value below conditional use permit threshold

MES/akw/LGA004-10.M1

Attachments: Fall Trimester Count Summary

Hillbrook School Driveway In and Out Wednesday, September 18, 2019 IDAX Data Solutions

	Lights					
Time	In	Out				
0:00	0	0				
0:15	0	0				
0:30	0	0				
0:45	0	0				
1:00	0	0				
1:15	0	0				
1:30	0	0				
1:45	0	0				
2:00	0	0				
2:15	0	0				
2:30	0	0				
2:45	0	0				
3:00	0	0				
3:15	0	0				
3:30	1	1				
3:45	0	0				
4:00	0	0				
4:15	0	0				
4:30	0	0				
4:45	0	0				
5:00	0	0				
5:15	0	0				
5:30	0	0				
5:45	3	0				
6:00	3	1				
6:15	1	0				
6:30	3	0				
6:45	3	0				
7:00	5	0				
7:15	21	0				
7:30	26	5				
7:45	66	38				
8:00	30	31				
8:15	7	18				
8:30	5	2				
8:45	3	3				
9:00	2	3				
9:15	2	5				
9:30	5	1				
9:45	1	1				
10:00	1	1				
10:15	1	2				
10:30	5	2				
10:45	2	4				
11:00	2	1				
11:15	2	0				
11:30	0	1				
11:45	4	0				
12:00	1	3				
12:15	2	2				
12:30	1	0				
12:45	6	1				

September 1	Heavies	
Time	In	Out
0:00	0	0
0:15	0	0
0:30	0	0
0:45	0	0
1:00	0	0
1:15	0	0
1:30	0	0
1:45	0	0
2:00	0	0
2:15	0	0
2:30	0	0
2:45	0	0
3:00	0	0
3:15	0	0
3:30	0	0
3:45	0	0
4:00	0	0
4:15	0	0
4:30	0	0
4:45	0	0
5:00	0	0
5:15		0
5:30	0	0
5:45	0	0
6:00	0	0
6:15	0	0
6:30	0	0
6:45	0	0
7:00	0	0
7:15	0	0
7:30	0	0
7:45	4	4
8:00	0	0
8:15	0	0
8:30	0	0
8:45	1	1
9:00	0	0
9:15	0	0
9:30	0	0
9:45	0	0
10:00	0	0
10:15	0	0
10:30	0	0
10:45	0	0
11:00	0	0
11:15	0	0
11:30	1	0
11:45	0	1
12:00	0	0
12:15	0	0
12:30	0	0
12:45	0	0

13:00	4	3
13:15	1	4
13:30	4	1
13:45	1	0
14:00	0	2
14:15	4	5
14:30	15	6
14:45	37	11
15:00	28	67
15:15	6	10
15:30	4	5
15:45	2	2
16:00	6	7
16:15	7	14
16:30	10	18
16:45	6	29
17:00	4	18
17:15	6	11
17:30	2	6
17:45	0	8
18:00	1	2
18:15	1	1
18:30	0	1
18:45	0	0
19:00	0	0
19:15	0	1
19:30	0	0
19:45	0	0
20:00	0	1
20:15	0	0
20:30	0	2
20:45	0	0
21:00	0	0
21:15	0	0
21:30	0	0
21:45	0	0
22:00	0	0
22:15	0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	363	361

13:00	0	0
13:15	0	0
13:30	0	0
13:45	0	0
14:00	1	0
14:15	1	0
14:30	2	0
14:45	0	0
15:00	0	4
15:15	0	0
15:30	0	0
15:45	1	0
16:00	1	1
16:15	0	1
16:30	1	0
16:45	1	1
17:00	0	0
17:15	0	0
17:30	0	1
17:45	0	0
18:00	0	0
18:15	0	0
18:30	0	0
18:45	0	0
19:00	0	0
19:15	0	0
19:30	0	0
19:45	0	0
20:00	0	0
20:15	0	0
20:30	0	0
20:45	0	0
21:00	0	0
21:15	0	0
21:30	0	0
21:45	0	0
22:00	0	0
22:15	0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	14	14

752 Total Trips

Results for Sensor Zone 'ExitA' in AP: 'APEG 9545'

Start Date: 09/18/2019 00:00 PDT End Date: 09/19/2019 00:00 PDT

Reporting interval: 15 minutes, Speed Average: Averaged by car

Time (Beginning of Interval)	Occup (%) Volu	Median Speed me (mph)	Avg Speed (mph)
09/18/2019 00:00:00	0	0 n/a	n/a
09/18/2019 00:15:00	Ö	0 n/a	n/a
09/18/2019 00:30:00	0	0 n/a	n/a
09/18/2019 00:45:00	Ö	0 n/a	n/a
09/18/2019 01:00:00	0	0 n/a	n/a
09/18/2019 01:15:00	Ö	0 n/a	n/a
09/18/2019 01:30:00	0	0 n/a	n/a
09/18/2019 01:45:00	ő	0 n/a	n/a
09/18/2019 02:00:00	0	0 n/a	n/a
09/18/2019 02:15:00	0	0 n/a	n/a
09/18/2019 02:30:00	0	0 n/a	n/a
09/18/2019 02:45:00	0	0 n/a	n/a
09/18/2019 03:00:00	0	0 n/a	n/a
09/18/2019 03:15:00	o o	0 n/a	n/a
09/18/2019 03:30:00	0.18	1 n/a	n/a
09/18/2019 03:45:00	0	0 n/a	n/a
09/18/2019 04:00:00	0	0 n/a	n/a
09/18/2019 04:15:00	0	0 n/a	n/a
09/18/2019 04:30:00	0	0 n/a	n/a
09/18/2019 04:45:00	0	0 n/a	n/a
09/18/2019 05:00:00	0	0 n/a	n/a
09/18/2019 05:15:00	0	0 n/a	n/a
09/18/2019 05:30:00	0	0 n/a	n/a
09/18/2019 05:45:00	0	0 n/a	n/a
09/18/2019 06:00:00	0.13	1 n/a	n/a
09/18/2019 06:15:00	0.15	0 n/a	n/a
09/18/2019 06:30:00	0	0 n/a	n/a
09/18/2019 06:45:00	0	0 n/a	n/a
09/18/2019 07:00:00	0	0 n/a	n/a
09/18/2019 07:15:00	0	0 n/a	n/a
09/18/2019 07:30:00	0.40	4 n/a	n/a
09/18/2019 07:45:00	6.92	41 n/a	n/a
09/18/2019 08:00:00	2.87	30 n/a	n/a
09/18/2019 08:15:00	1.35	16 n/a	n/a
09/18/2019 08:30:00	0.19	2 n/a	n/a
09/18/2019 08:45:00	0.13	2 n/a	n/a
09/18/2019 09:00:00	0.25	3 n/a	n/a
09/18/2019 09:15:00	0.61	6 n/a	
09/18/2019 09:30:00	0.10	1 n/a	n/a n/a
09/18/2019 09:45:00	0.14	1 n/a	n/a
09/18/2019 10:00:00	0.14	1 n/a	n/a
09/18/2019 10:15:00	0.19	3 n/a	n/a
09/18/2019 10:30:00	0.17	1 n/a	n/a
09/18/2019 10:45:00	0.18	4 n/a	n/a
09/18/2019 11:00:00	0.07	1 n/a	n/a
	0.07		
		** *	
09/18/2019 11:15:00 09/18/2019 11:30:00	0	0 n/a 0 n/a	n/a n/a

09/18/2019 11:45:00	0.69	1	n/a	n/a
09/18/2019 12:00:00	0.77	The second secon	n/a	n/a
09/18/2019 12:15:00	0.12		n/a	n/a
09/18/2019 12:30:00	0	0	n/a	n/a
09/18/2019 12:45:00	0.03	1	n/a	n/a
09/18/2019 13:00:00	0.32	3	n/a	n/a
09/18/2019 13:15:00	0.28	4	n/a	n/a
09/18/2019 13:30:00	0.09		n/a	n/a
09/18/2019 13:45:00	0	0	n/a	n/a
09/18/2019 14:00:00	0.09		n/a	n/a
09/18/2019 14:15:00	0.35	5	n/a	n/a
09/18/2019 14:30:00	0.29	4	n/a	n/a
09/18/2019 14:45:00	1.05	11	n/a	n/a
09/18/2019 15:00:00	9.19	69	n/a	n/a
09/18/2019 15:15:00	0.64	7	n/a	n/a
09/18/2019 15:30:00	0.34	6	n/a	n/a
09/18/2019 15:45:00	0.17	2	n/a	n/a
09/18/2019 16:00:00	0.98	10	n/a	n/a
09/18/2019 16:15:00	1.37	14	n/a	n/a
09/18/2019 16:30:00	1.58	15	n/a	n/a
09/18/2019 16:45:00	1.34	16	n/a	n/a
09/18/2019 17:00:00	1.79	20	n/a	n/a
09/18/2019 17:15:00	0.66	8	n/a	n/a
09/18/2019 17:30:00	0.93	8	n/a	n/a
09/18/2019 17:45:00	0.52	7	n/a	n/a
09/18/2019 18:00:00	0.19	2	n/a	n/a
09/18/2019 18:15:00	0.33	2	n/a	n/a
09/18/2019 18:30:00	0.14	1	n/a	n/a
09/18/2019 18:45:00	0	0	n/a	n/a
09/18/2019 19:00:00	0	0	n/a	n/a
09/18/2019 19:15:00	0.09	1	n/a	n/a
09/18/2019 19:30:00	0	0	n/a	n/a
09/18/2019 19:45:00	0	0	n/a	n/a
09/18/2019 20:00:00	0.10		n/a	n/a
09/18/2019 20:15:00	0	0	n/a	n/a
09/18/2019 20:30:00	0.38		n/a	n/a
09/18/2019 20:45:00	0	0	n/a	n/a
09/18/2019 21:00:00	0		n/a	n/a
09/18/2019 21:15:00	0	0	n/a	n/a
09/18/2019 21:30:00	0		n/a	n/a
09/18/2019 21:45:00	0		n/a	n/a
09/18/2019 22:00:00	0		n/a	n/a
09/18/2019 22:15:00	0		n/a	n/a
09/18/2019 22:30:00	0		n/a	n/a
09/18/2019 22:45:00	0		n/a	n/a
09/18/2019 23:00:00	0		n/a	n/a
09/18/2019 23:15:00	0	F	n/a	n/a
09/18/2019 23:30:00	0		n/a	n/a
09/18/2019 23:45:00	0	Control of the last of the las	n/a	n/a
Grand Total	0.40	347		n/a

Hillbrook School Driveway In and Out Tuesday, October 1, 2019 IDAX Data Solutions

	Lights	
Time	in	Out
0:00	0	0
0:15	0	0
0:30	0	0
0:45	0	0
1:00	0	0
1:15	0	0
1:30	0	0
1:45	0	0
2:00	0	0
2:15	0	0
2:30	0	0
2:45	0	0
3:00	0	0
3:15	0	0
3:30	0	0
3:45	1	0
4:00	0	1
4:15	1	1
4:30	0	0
4:45	0	0
5:00	0	0
5:15	0	0
5:30	0	0
5:45	3	0
6:00	2	0
6:15	3	0
6:30	4	1
6:45	1	1
7:00	5	0
7:00	17	1
7:30	26	5
7:45	60	37
8:00	27	34
8:15	7	14
8:30	5	5
8:45	0	0
9:00	2	3
9:15`	2	1
9:30	3	5
9:45	1	2
10:00	2	1
10:15	5	1
10:30	3	5
10:45	2	1
11:00	1	0
11:15	5	3
11:30	1	3
11:45	3	3
12:00	3	4
12:15	4	3
12:30	3	6
12:45	0	0
12:45	U	U

	Heavies	
Time	In	Out
0:00	0	0
0:15	0	0
0:30	0	0
0:45	0	0
1:00	0	0
1:15	0	0
1:30	0	0
1:45	0	0
2:00	0	0
2:15	0	0
2:30	0	0
2:45	0	0
3:00	0	0
3:15	0	0
	0	0
3:30 3:45	0	0
4:00	0	0
		0
4:15	0	
4:30	0	0
4:45	0	0
5:00 5:15	0	0
A STATE OF THE STA	0	0
5:30	0	0
5:45	0	0
6:00	0	0
6:15	0	0
6:30	0	0
6:45	0	0
7:00	1	1
7:15	0	0
7:30	1	0
7:45	3	3
8:00	0	1
8:15	0	0
8:30	0	0
8:45	0	0
9:00	0	0
9:15	0	0
9:30	1	0
9:45	1	1
10:00	0	1
10:15	0	0
10:30	1	0
10:45	1	1
11:00	1	1
11:15	1	0
11:30	0	0
11:45	0	1
12:00	0	0
12:15	0	0
12:30	0	0
12:45	0	0

13:00	0	2
13:15	3	1
13:30	3	7
13:45	4	4
14:00	5	2
14:15	5	5
14:30	13	1
14:45	43	5
15:00	25	73
15:15	9	22
15:30	7	12
15:45	8	9
16:00	11	16
16:15	12	15
16:30	3	7
16:45	7	4
17:00	1	5
17:15	2	20
17:30	5	4
17:45	1	8
18:00	1	1
18:15	0	1
18:30	0	0
18:45	0	0
19:00	0	0
19:15	0	0
19:30	0	0
19:45	0	0
20:00	0	0
20:15	0	0
20:30	0	0
20:45	1	1
21:00	0	0
21:15	0	2
21:30	0	0
21:45	0	0
22:00	0	0
22:15	.0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	371	368

42.00		
13:00	0	0
13:15	0	0
13:30	0	0
13:45	0	0
14:00	1	0
14:15	1	1
14:30	2	0
14:45	1	0
15:00	0	4
15:15	0	0
15:30	0	0
15:45	1	0
16:00	1	1
16:15	1	1
16:30	1	1
16:45	1	2
17:00	1	0
17:15	1	1
17:30	0	1
17:45	0	0
18:00	0	0
18:15	0	0
18:30	0	0
18:45	0	0
19:00	0	0
19:15	0	0
19:30	0	0
19:45	0	0
20:00	0	0
20:15	0	0
20:30	0	0
20:45	0	0
21:00	0	0
21:15	0	0
21:30	0	0
21:45	0	0
22:00	0	0
22:15	0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	23	22

784 Total Trips

Tuesday, October 01, 2019

	Time	Total
0000		0
0100		0
0200		0
0300		0
0400		3
0500		3
0600		12
0700		161
0800		96
0900		22
1000		23
1100		24
1200		23
1300		24
1400 1500		84 155
1600		86
1700		52
1800		3
1900		0
2000		1
2100		2
2200		0
07-19		753
06-22		768
06-00		768
00-00		774

Grand Total

Tim	0	Total
		774

Hillbrook School Driveway In and Out Thursday, October 17, 2019 IDAX Data Solutions

Lights Time In Out 0:00 0 0 0:15 0 0 0:30 0 0 0:45 0 0 1:00 0 0 1:15 0 0 1:30 0 0 1:45 0 0 2:00 0 0 2:30 0 0 2:45 0 0 3:00 1 1 3:30 0 0 3:45 0 0
0:15 0 0:30 0 0:45 0 1:00 0 1:15 0 0 0 1:30 0 0 0 1:45 0 0 0 2:15 0 0 0 2:30 0 0 0 2:45 0 3:00 1 1 1 3:30 0 0 0
0:30 0 0:45 0 1:00 0 1:15 0 1:30 0 1:45 0 2:00 0 2:15 0 0 0 2:30 0 0 0 2:45 0 3:00 1 3:30 0 0 0
0:45 0 1:00 0 0 0 1:15 0 0 0 1:30 0 0 0 1:45 0 0 0 2:00 0 0 0 2:15 0 0 0 2:30 0 0 0 3:00 1 1 1 3:30 0 0 0
1:00 0 1:15 0 0 0 1:30 0 0 0 1:45 0 0 0 2:00 0 0 0 2:15 0 0 0 2:30 0 0 0 2:45 0 0 0 3:00 1 1 1 3:30 0 0 0
1:15 0 0 1:30 0 0 1:45 0 0 2:00 0 0 2:15 0 0 2:30 0 0 2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
1:30 0 0 1:45 0 0 2:00 0 0 2:15 0 0 2:30 0 0 2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
1:45 0 0 2:00 0 0 2:15 0 0 2:30 0 0 2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
2:00 0 2:15 0 0 0 2:30 0 0 0 2:45 0 0 0 3:00 1 1 1 3:15 0 0 0
2:15 0 0 2:30 0 0 2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
2:30 0 0 2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
2:45 0 0 3:00 1 1 3:15 0 0 3:30 0 0
3:00 1 1 3:15 0 0 3:30 0 0
3:15 0 0 3:30 0 0
3:30 0 0
3:45 0 0
3,73
4:00 0 0
4:15 0 0
4:30 1 1
4:45 0 0
5:00 0 0
5:15 0 0
5:30 1 0
5:45 1 0
6:00 3 0
6:15 1 0
6:30 3 0
6:45 0 0
7:00 4 1
7:15 15 0
7:30 36 7
7:45 69 37
8:00 29 36
8:15 8 9
8:30 7 8
8:45 4 0
9:00 1 2
9:15 4 1
9:30 1 4
9:45 1 1
10:00 0 1
10:15 2 3
10:30 2 3
10:45 2 3
11:00 2 3
11:15 2 3

	Heavies			
Time	In	Out		
0:00	0	0		
0:15	0	0		
0:30	0	0		
0:45	0	0		
1:00	0	0		
1:15	0	0		
1:30	0	0		
1:45	0	0		
2:00	0	0		
2:15	0	0		
2:30	0	0		
2:45	0	0		
3:00	0	0		
3:15	0	0		
3:30	0	0		
3:45	0	0		
4:00	0	0		
4:15	0	0		
4:30	0	0		
4:45	0	0		
5:00	0	0		
5:15	0	0		
5:30	0	0		
5:45	0	0		
6:00	0	0		
6:15	0	0		
6:30	0	0		
6:45	0	0		
7:00	0	0		
7:15	0	0		
7:30	0	0		
7:45	3	2		
8:00	0	0		
8:15	0	0		
8:30	0	0		
8:45	0	1		
9:00	0	0		
9:15	0	0		
9:30	1	1		
9:45	1	1		
10:00	0	0		
	0	0		
10:15				
10:30	0	0		
10:45	0	0		
11:00	0	0		
11:15	1	0		

11:30	2	2
11:45	0	2
12:00	1	0
12:15	3	2
12:30	0	2
12:45	4	1
13:00	3	3
13:15	2	1
13:30	1	1
13:45	4	0
14:00	2	4
14:15	3	2
14:30	17	8
14:45	28	8
15:00	26	68
15:15	10	13
15:30	8	17
15:45	7	18
16:00	9	11
16:15	5	16
16:30	7	13
16:45	3	10
17:00	3	7
17:15	3	8
17:30	3	3
17:45	1	7
18:00	0	2
18:15	1	1
18:30	0	0
18:45	0	0
19:00	0	0
19:15	0	0
19:30	0	0
19:45	0	0
20:00	0	0
20:15	0	0
20:30	0	0
20:45	0	0
21:00	0	0
21:15	0	1
21:30	0	1
21:45	0	0
22:00	0	0
22:15	0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	356	356

44.00		
11:30	0	0
11:45	1	1
12:00	0	1
12:15	1	1
12:30	0	0
12:45	0	0
13:00	0	0
13:15	0	0
13:30	0	0
13:45	0	0
14:00	1	0
14:15	2	0
14:30	1	0
14:45	0	0
15:00	0	4
15:15	0	0
15:30	0	0
15:45	1	0
16:00	1	1
16:15	1	1
16:30	1	1
16:45	1	1
17:00	1	1
17:15	0	1
17:30	0	0
17:45	0	0
18:00	0	0
18:15	0	0
18:30	0	0
18:45	0	0
19:00	0	0
19:15	0	0
19:30	0	0
19:45	0	0
20:00	0	0
20:15	0	0
20:30	0	0
20:45	0	0
21:00	0	0
21:15	0	0
21:30	0	0
21:45	0	0
22:00	0	0
22:15	0	0
22:30	0	0
22:45	0	0
23:00	0	0
23:15	0	0
23:30	0	0
23:45	0	0
Total	18	18
- John		

748 Total Trips

Results for Sensor Zone 'ExitA' in AP: 'APEG 9545'

Start Date: 10/17/2019 00:00 PDT End Date: 10/18/2019 00:00 PDT

Reporting interval: 15 minutes, Speed Average: Averaged by car

Time (Beginning of Interval)	Occup (%)	Volume	Median Speed (mph)	Avg Speed (mph)
10/17/2019 00:00:00	0	0	n/a	n/a
10/17/2019 00:15:00	0	0	n/a	n/a
10/17/2019 00:30:00	0	0	n/a	n/a
10/17/2019 00:45:00	0	0	n/a	n/a
10/17/2019 01:00:00	0	0	n/a	n/a
10/17/2019 01:15:00	0	0	n/a	n/a
10/17/2019 01:30:00	0	0	n/a	n/a
10/17/2019 01:45:00	0	0	n/a	n/a
10/17/2019 02:00:00	0	0	n/a	n/a
10/17/2019 02:15:00	0	0	n/a	n/a
10/17/2019 02:30:00	0	0	n/a	n/a
10/17/2019 02:45:00	0	0	n/a	n/a
10/17/2019 03:00:00	0.19	1	n/a	n/a
10/17/2019 03:15:00	0		n/a	n/a
10/17/2019 03:30:00	0		n/a	n/a
10/17/2019 03:45:00	0		n/a	n/a
10/17/2019 04:00:00	0		n/a	n/a
10/17/2019 04:15:00	0	0		n/a
10/17/2019 04:30:00	0.15		n/a	n/a
10/17/2019 04:45:00	0		n/a	n/a
10/17/2019 05:00:00	0		n/a	n/a
10/17/2019 05:15:00	0		n/a	n/a
10/17/2019 05:30:00	0		n/a	n/a
10/17/2019 05:45:00	0		n/a	n/a
10/17/2019 06:00:00	0		n/a	n/a
10/17/2019 06:15:00	0		n/a	n/a
10/17/2019 06:30:00	0		n/a	n/a
10/17/2019 06:45:00	0		n/a	n/a
10/17/2019 07:00:00	0.10		n/a	n/a
10/17/2019 07:15:00	0		n/a	n/a
10/17/2019 07:30:00	0.67		n/a	n/a
10/17/2019 07:45:00	5.71		n/a	n/a
10/17/2019 08:00:00	3.95		n/a	n/a
10/17/2019 08:15:00	0.85		n/a	n/a
10/17/2019 08:30:00	0.92		n/a	n/a
10/17/2019 08:45:00	0.36		n/a	n/a
10/17/2019 09:00:00	0.21		n/a	n/a
10/17/2019 09:15:00	0.09	1	n/a	n/a
10/17/2019 09:30:00	0.64		n/a	n/a
10/17/2019 09:45:00	0.31		n/a	n/a
10/17/2019 10:00:00	0.41		n/a	n/a
10/17/2019 10:15:00	1.18		n/a	n/a
10/17/2019 10:30:00	0.29		n/a	n/a
10/17/2019 10:45:00	0.21		n/a	n/a
10/17/2019 11:00:00	0.33		n/a	n/a

10/17/2019 11:15:00	0.19	2 n/a	n/a	
10/17/2019 11:30:00	0.23	2 n/a	n/a	
10/17/2019 11:45:00	0.84	4 n/a	n/a	
10/17/2019 12:00:00	0.18	1 n/a	n/a	
10/17/2019 12:15:00	0.38	2 n/a	n/a	
10/17/2019 12:30:00	0.39	3 n/a	n/a	
10/17/2019 12:45:00	0.45	2 n/a	n/a	
10/17/2019 13:00:00	0.32	3 n/a	n/a	
10/17/2019 13:15:00	0.09	1 n/a	n/a	
10/17/2019 13:30:00	0.12	1 n/a	n/a	
10/17/2019 13:45:00	0	0 n/a	n/a	
10/17/2019 14:00:00	0.29	3 n/a	n/a	
10/17/2019 14:15:00	0.45	3 n/a	n/a	
10/17/2019 14:30:00	0.92	8 n/a	n/a	
10/17/2019 14:45:00	0.92	8 n/a	n/a	
10/17/2019 15:00:00	10.23	78 n/a	n/a	
10/17/2019 15:15:00	1.18	13 n/a	n/a	
10/17/2019 15:30:00	1.63	18 n/a	n/a	
10/17/2019 15:45:00	1.88	18 n/a	n/a	
10/17/2019 16:00:00	1.32	13 n/a	n/a	
10/17/2019 16:15:00	2.04	18 n/a	n/a	
10/17/2019 16:30:00	1.69	17 n/a	n/a	
10/17/2019 16:45:00	1.44	12 n/a	n/a	
10/17/2019 17:00:00	1.26	10 n/a	n/a	
10/17/2019 17:15:00	1.17	10 n/a	n/a	
10/17/2019 17:30:00	0.31	3 n/a	n/a	
10/17/2019 17:45:00	0.48	8 n/a	n/a	
10/17/2019 18:00:00	4.04	4 n/a	n/a	
10/17/2019 18:15:00	0.11	1 n/a	n/a	
10/17/2019 18:30:00	0	0 n/a	n/a	
10/17/2019 18:45:00	0	0 n/a	n/a	
10/17/2019 19:00:00	0	0 n/a	n/a	
10/17/2019 19:15:00	0	0 n/a	n/a	
10/17/2019 19:30:00	0	0 n/a	n/a	
10/17/2019 19:45:00	0	0 n/a	n/a	
10/17/2019 20:00:00	0	0 n/a	n/a	
10/17/2019 20:15:00	0	0 n/a	n/a	
10/17/2019 20:30:00	Õ	0 n/a	n/a	
10/17/2019 20:45:00	Ō	0 n/a	n/a	
10/17/2019 21:00:00	0	0 n/a	n/a	
10/17/2019 21:15:00	0.12	1 n/a	n/a	
10/17/2019 21:30:00	0.20	1 n/a	n/a	
10/17/2019 21:45:00	0	0 n/a	n/a	
10/17/2019 22:00:00	0	0 n/a	n/a	
10/17/2019 22:15:00	0	0 n/a	n/a	
10/17/2019 22:30:00	0	0 n/a	n/a	
10/17/2019 22:45:00	Ō	0 n/a	n/a	
10/17/2019 23:00:00	0	0 n/a	n/a	
10/17/2019 23:15:00	Ō	0 n/a	n/a	
10/17/2019 23:30:00	Ō	0 n/a	n/a	
10/17/2019 23:45:00	Ō	0 n/a	n/a	
Grand Total	0.54	395	n/a	