

Engineering and Traffic Survey

October 2017



FOR THE CITY OF



WEST COVINA

Prepared by:



October 5, 2017

Mr. Delfino "Chino" Consunji, PE
Public Works Director/ City Engineer
Public Works Department
City of West Covina
1444 West Garvey Ave. South
West Covina, CA 91790

Subject: 2017 Engineering and Traffic Survey

Dear Mr. Consunji:

As requested, Willdan has completed an Engineering and Traffic (E&T) Survey to justify and update the posted speed limits along 195 street segments in the City of West Covina. These segments were last surveyed in 2010, and require an update to comply with the 7-year limitation set forth in the California Vehicle Code (CVC).

We are pleased to submit the enclosed Report that describes the E&T survey procedures and contains recommendations for posted speed limits on the City's arterial and collector street system. A summary of these recommendations is included in the Analysis. Supporting documentation for each speed zone recommendation is provided in the Appendices.

The Report was conducted in accordance with applicable provisions of the CVC, following procedures outlined in the California Manual on Uniform Traffic Control Devices (California MUTCD) dated April 2017, and as required by Section 627 of the CVC. The Report is intended to satisfy the requirements of Section 40802 of the CVC to enable the continued use of radar for traffic speed enforcement.

We appreciate the opportunity to serve the City of West Covina and the assistance and cooperation afforded to us during the course of this study.

Very truly yours,

WILLDAN



Jeffrey Lau, P.E.
Project Manager



Enclosure

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1-2
Elements of the Engineering and Traffic Survey	2-3
SURVEY CONDITIONS	4
Survey Locations.....	4
Data Collection.....	4
Speed Data	4
Collision Data	5
Field Review Data	5
ANALYSIS	6
Criteria.....	6
Results and Recommendations	6-7
Table 1-Street Segments With Recommended Speed Changes.....	8-9
Table 2-Summary of Recommendations.....	10-29
Segments with Special Conditions	30-37
LEGISLATIVE REFERENCES	38
Applicable Sections of California Vehicle Code	38-43
APPENDIX A - Street Segment Data	
APPENDIX B - Radar Speed Distribution Forms	
APPENDIX C - Survey Equipment Used	

INTRODUCTION

This Engineering and Traffic (E&T) Survey is intended to be the basis for the establishment, revision, and enforcement of speed limits for selected streets within the City of West Covina. This E&T Survey presents recommended speed limits for 195 street segments in the City of West Covina. E&T Surveys are required by the State of California to establish intermediate speed limits on local streets and to enforce those limits using radar or other speed measuring devices. These surveys must be updated every 5 or 7 years to ensure the speeds reflect current conditions as dictated by the California Vehicle Code (CVC). The CVC also requires that the surveys be conducted based on the methodology required by The California Manual on Uniform Traffic Control Devices (California MUTCD) dated April 2017.

The survey was requested by the City for the proper posting of speed limits and to enable the Police Department to utilize radar or other electronic speed measuring devices for speed enforcement. CVC Sections 40801 and 40802 require E&T Surveys that verify the prima facie speed limit before enforcement by such a device is legal. The law further specifies that these surveys be conducted every 5 years. The surveys can be extended to 7 years provided the City's police officer(s) have completed a 24-hour radar operator course [CVC 40802(c)(2)(B)(i)(I)]. Additionally, some surveys may be extended to 10 years if a traffic engineer certifies that no changes in roadway or traffic conditions have occurred [CVC 40802 (c)(2)(B)(i)(II)]. These provisions assure that posted speed limits are kept reasonably current.

The E&T Surveys for the City were conducted in accordance with procedures outlined in the California MUTCD dated April 2017 and as required by Section 627 of the CVC. The Code further describes three elements of an engineering and traffic survey:

1. Measurement of prevailing speed;
2. Accident history; and
3. Roadway characteristics not readily apparent to the motorist.

Posted speed limits are established primarily to protect the general public from the reckless and unpredictable behavior of dangerous drivers. They provide law enforcement with a clearly understood method to identify and apprehend violators of the basic speed law (CVC Section 22350). This law states that "No person shall drive a vehicle on a highway at a speed greater than is reasonable or prudent having due regard for weather, visibility, the traffic on, and the surface and width of the highway, and in no event at a speed which endangers the safety of persons or property." The posted speed limit gives motorists a clear warning of the basic speed that is reasonable and prudent under typical driving conditions.

The basic fundamentals for establishing speed limits recognize that the majority of drivers behave in a safe and reasonable manner, and therefore, the normally careful and competent actions of a reasonable driver should be considered legal. Speed limits established on these fundamentals conform to the consensus that those who drive the highway determine what speed is reasonable and safe, not on the judgment of one or a few individuals. A radar speed study is usually used to record the prevailing speed of reasonable drivers.

Speed limits are also established to advise drivers of conditions which may not be readily apparent to a reasonable driver. For this reason, accident history, roadway conditions, traffic characteristics, and land use must also be analyzed before determining speed limits. Speed limit changes are usually made in coordination with physical changes in roadway conditions or roadside developments. Unusually short zones of less than one-half mile in length should be avoided to reduce driver confusion.

Additionally, it is generally accepted that speed limits cannot be successfully enforced without voluntary compliance by a majority of drivers. Consequently, only the driver whose behavior is clearly out of line with the normal flow of traffic is usually targeted for enforcement.

ELEMENTS OF THE ENGINEERING AND TRAFFIC SURVEY

The California MUTCD dated April 2017 specifies the methodology to be used for completing E&T Surveys. This methodology includes an evaluation of current vehicle speeds, accident history and conditions not readily apparent to motorists. The basic elements of the Engineering and Traffic Survey are discussed in more detail as follows:

Speed Sampling

Existing vehicle speeds are surveyed by a certified radar operator with a calibrated radar unit in an unmarked vehicle. Speed samples are taken for each segment representing a statistically significant sample of current traffic. This data is then evaluated to identify the distribution of speeds. A key element in the evaluation is the identification of the 85th percentile speed. The 85th percentile speed is the speed at or below which 85 percent of the traffic travels. This threshold represents what is historically found to be a safe and reasonable speed for most drivers based on common roadway conditions. Therefore, a speed limit is established at the nearest 5-mile per hour (mph) increment to the 85th percentile speed, except as shown in the two options below.

Options:

1. The posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with CVC Section 627 and 22358.5.
2. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC Section 21400(b).

If the speed limit to be posted has had the 5 mph reduction applied, then an E&T Survey shall document in writing the conditions and justification for the lower speed limit. The reasons for the lower speed limit shall be in compliance with CVC Section 627 and 22358.5

The following examples are provided to explain the application of these speed limit criteria:

- A. Using Option 1 above and first step is to round down: If the 85th percentile speed in a speed survey for a location was 37 mph, then the speed limit would be established at 35 mph since it is the closest 5 mph increment to the 37 mph speed. As indicated by the option, this 35 mph established speed limit could be reduced by 5 mph to 30 mph if conditions and justification for using this lower speed limit are documented in the E&T Survey.
- B. Using Option 1 above and first step is to round up: If the 85th percentile speed in a speed survey for a location was 33 mph, then the speed limit would be established at 35 mph since it is the closest 5 mph increment to the 33 mph speed. As indicated by the option, this 35 mph speed limit could be reduced by 5 mph to 30 mph if the conditions and justification for using this lower speed limit are documented in the E&T Survey.
- C. Using Option 2 above and first step is to round up: If the 85th percentile speed in a speed survey for a location was 33 mph, instead of rounding up to 35 mph, the speed limit can be established at 30 mph, but no further reduction can be applied.

Collision History

Reported collisions are reviewed for each street segment to determine if there is a higher than average rate of collisions. A segment that has an above-average collision rate typically suggests conditions that are not readily apparent to motorists.

A summary of the collision rates for the 195 surveyed street segments is provided in Table 2.

Conditions Not Readily Apparent To Motorists

Each street segment is field inspected to identify roadway conditions that may not be readily apparent to motorists. A determination is made whether any conditions are significant and warrant the recommendation of the speed limit 5 mph or more below the basic speed limit. It is important to note that the California MUTCD dated April 2017 recommends exercising great care when establishing speed limits 5 mph or more below the basic speed limit.

SURVEY CONDITIONS

SURVEY LOCATIONS

The procedures described below describe the criteria and methods used to survey selected streets within the City of West Covina. The specific location of the radar speed survey for each street segment was selected after considering the following:

1. Minimum stop sign and traffic signal influence.
2. Minimum visibility restrictions.
3. Non-congested traffic flow away from intersections and driveways.
4. Minimum influence from curves or other roadway conditions that would affect the normal operation of a vehicle.

DATA COLLECTION

Data of existing conditions was obtained including prevailing speed of vehicles, traffic collisions, visibility restrictions, and roadway conditions within the community. Speed data and field reviews were conducted at 195 locations during the months of January thru May 2017.

Speed Data

Radar speed measurements were conducted at 195 locations during the months of January thru May, 2017. The radar speed distribution forms are in Appendix B. All surveys were conducted in good weather conditions, during off-peak hours on weekdays. The radar unit was operated from an unmarked vehicle to minimize any influence on driver behavior. Typically, a minimum sample size of 100 vehicles or the total samples during a maximum period of 2 hours were obtained for each segment. Traffic speeds in both directions were recorded for individual segments.

Collision Data

Collision data was obtained from the CHP's Statewide Integrated Traffic Records System (SWITRS) electronic collision database. For this study, collision data was used from the latest 3 years of reported accidents from January 1, 2014 to December 31, 2016. The collision rates for the 195 segments are expressed in accidents per million vehicle miles (A/MVM). To calculate these rates, 24-hour traffic volumes were collected for each street segment. This information was then entered into the following formula to determine the collision rate:

$$R = \frac{Ax1,000,000}{tx365 \frac{days}{year} xlv}$$

- A = Number of midblock collisions over time period
- R = Collision Rate (accidents/million vehicle miles)
- t = Time Period Covered (in years)
- l = Length of Segment (miles)
- v = Traffic Volume (average daily traffic)

The segment collision rate was then compared to the average statewide collision rate. The average statewide collision rates were obtained from 2014 Collision Data on California State Highways published by Caltrans.

Field Review Data

A field review was conducted for each of the selected street segments in the City with consideration for the following factors:

1. Street width and alignment (design speed);
2. Pedestrian activity and traffic flow characteristics;
3. Number of lanes and other channelization and striping patterns;
4. Frequency of intersections, driveways, and on-street parking;
5. Location of stop signs and other regulatory traffic control devices;
6. Visibility obstructions;
7. Land use and proximity to schools;
8. Pedestrian and bicycle usage;
9. Uniformity with existing speed zones and those in adjacent jurisdictions; and
10. Any other unusual condition not readily apparent to the driver.

ANALYSIS

CRITERIA

Survey data was compiled and analyzed to determine the recommended speed limit in accordance with several criteria contained in the California MUTCD dated April 2017. Some of the criteria used are:

- A. The critical speed or 85th percentile speed is that speed at or below which 85 percent of the traffic is moving. This speed is the baseline value in determining what the majority of drivers believe is safe and reasonable. Speed limits set higher than the critical speed are not considered reasonable and safe. Speed limits set lower than the critical speed make a large number of reasonable drivers "unlawful," and do not facilitate the orderly flow of traffic. The "basic speed limit" is the nearest 5 mph increment to the 85th percentile speed.
- B. The 10 mile per hour (mph) pace speed is the 10 mph increment that contains the highest percentage of vehicles. It is a measure of the dispersion of speeds across the range of the samples surveyed. An accepted practice is to keep the speed limit within the 10 mph pace while considering the critical speed and other factors that might require a speed lower than the critical speed.
- C. The collision rate for each street segment is compared to average collision rates that can be reasonably expected to occur on streets and highways in other jurisdictions, in proportion to the volume of traffic per lane mile. These average collision rates have been developed by the State of California and are considered reasonable for use in the City of West Covina.

RESULTS AND RECOMMENDATIONS

The E&T Survey Forms, presented in Appendix A, illustrate results of a thorough evaluation of the available data and recommend a speed limit for each street segment surveyed. A complete summary of all recommendations is shown in Table 2. In each case, the recommended speed limit was consistent with the prevailing behavior as demonstrated by the radar speed measurements. Typically, a speed limit in the upper range of the 10-mile pace was selected unless a collision rate significantly higher than expected was discovered or roadway conditions not readily apparent to the driver were identified. Any segments with recommended speed limits 5 mph or more below the basic speed limit are fully explained later in this report.

The Legislature, in adopting Section 22358.5 of the CVC, has made it clear that physical conditions, such as width, curvature, grade and surface conditions, or any other condition readily apparent to a driver, in the absence of other factors, would not be the basis for special downward speed zoning. In these cases, the basic speed law (CVC Section 22350) is sufficient to regulate such conditions.

The recommendations contained in this Report are intended to establish prima facie speed limits. They are not intended to be absolute for all prevailing conditions. All prima facie

speed violations are actually violations of the basic speed law (CVC Section 22350). This statute states that a person shall not drive a vehicle at a speed greater than is safe having regard for traffic, roadway, and weather conditions. A prima facie limit is intended to establish a maximum safe speed under normal conditions.

Table 1 identifies the street segments with recommended changes in posted speed limits and Table 2 summarizes the recommendations for all surveyed segments.

TABLE 1
STREET SEGMENTS WITH RECOMMENDED SPEED CHANGES

No.	Street	From	To	Existing	New	Change
5	Amar Road	Shadow Oak Drive	Nogales Street	45	50	+ 5
6	Amar Road	Nogales Street	East City Limits	45	50	+ 5
28	Barranca Street	Garvey Avenue South	Cortez Street	40	35	- 5
29	Barranca Street	Cortez Street	Cameron Avenue	40	35	- 5
35	Cameron Avenue	Pacific Avenue	Orange Street	35	40	+ 5
48	Citrus Street	Garvey Avenue South	Cortez Street	40	35	- 5
56	Eveningside Drive	Fairgrove Avenue	Brentwood Drive	30	25	- 5
58	Fairgrove Avenue	Kauai Street	Azusa Avenue	40	35	- 5
59	Fairway Lane	Garvey Avenue North	Grand Avenue	40	35	- 5
60	Francesca Drive	Woodgate Drive	Nogales Street	NP	30	PL
61	Francisquito Avenue	West City Limits	Willow Avenue	35	40	+ 5
62	Francisquito Avenue	Willow Avenue	Orange Avenue	35/40	40	PL
66	Galster Way	Aroma Drive	Westridge Road	25	30	+ 5
67	Garvey Avenue	Garvey Avenue North	East City Limits	45	40	- 5
74	Garvey Avenue South	West City Limits	Orange Avenue	45	35	- 10
76	Garvey Avenue South	Sunset Avenue	California Avenue	15	25	+ 10
80	Garvey Avenue South	Azusa Avenue	Hollenbeck Street	40	35	- 5
81	Garvey Avenue South	Hollenbeck Street	James Avenue	NP	35	PL
85	Giano Avenue	Gemini Street	Wednesday Avenue	NP	30	PL
86	Glendora Avenue	Garvey Avenue South	Lakes Drive	35	30	- 5
87	Glendora Avenue	Lakes Drive	Walnut Creek Parkway	35	30	- 5
93	Grand Avenue	North City Limits	South City Limits	40/45	40	PL
105	La Puente Road	Nogales Street	Sentous Avenue	40	45	+ 5
107	Lakes Drive (E-W)	Vincent Avenue	Lakes Drive (N-S)	NP	25	PL
108	Lakes Drive (N-S)	Lakes Drive (E-W)	Glendora Avenue	NP	25	PL
126	Merced Avenue	Azusa Avenue	Hollenbeck Street	25	35	+ 10
127	Morgan Field Avenue	Hollingsworth Street	Valley Boulevard	25	30	+ 5
128	Nogales Street	Amar Road	Shadow Oak Drive	50	45	- 5
129	Nogales Street	Shadow Oak Drive	La Puente Road	50	45	- 5
131	Norma Avenue	Calvado Avenue	Citrus Street	25	30	+ 5
132	Orange Avenue	San Bernardino Road	Puente Avenue	35/40	40	PL
134	Orange Avenue	Northerly Cul-de Sac	Cameron Avenue	NP	25	PL

NP= Not Posted
PL= Post Limit

TABLE 1						
STREET SEGMENTS WITH RECOMMENDED SPEED CHANGES						
No.	Street	From	To	Existing	New	Change
135	Orange Avenue	Cameron Avenue	Merced Avenue	35	40	+ 5
140	Pass and Covina Road	Maple Grove Street	Lark Ellen Avenue	NP	40	PL
141	Plaza Drive	California Avenue	Vincent Avenue	NP	25	PL
149	Rowland Avenue	Lark Ellen Avenue	Azusa Avenue	35	40	+ 5
150	Rowland Avenue	Azusa Avenue	East City Limits	NP	35	PL
159	Stephanie Drive	Tuesday Drive	Shadow Oak Drive	NP	30	PL
168	Tuesday Drive	Stephanie Drive	Shakespeare Drive	25	35	+ 10
169	Valinda Avenue	Glendora Avenue	Service Avenue	NP	35	PL
180	Vine Avenue	Glendora Avenue	Valinda Avenue	25	35	+ 10
181	Vine Avenue	Valinda Avenue	Lark Ellen Avenue	25	35	+ 10
182	Vine Avenue	Lark Ellen Avenue	Azusa Avenue	25	35	+ 10
183	Vine Avenue	Azusa Avenue	Hollenbeck Street	25	35	+ 10
184	Vine Avenue	Hollenbeck Street	Citrus Street	25	35	+ 10
185	Wednesday Drive	Giano Avenue	Tuesday Drive	NP	30	PL
189	Woodgate Drive	Shadow Oak Drive	Amar Road	35	30	- 5
193	Workman Avenue	Azusa Avenue	East City Limits	NP	35	PL

NP= Not Posted
 PL= Post Limit

TABLE 2

SUMMARY OF RECOMMENDATIONS

No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
1 Amar Road	Valinda Avenue	Lark Ellen Avenue	0.38	30,726	1.48	0.47	45	48	39-48	57%	45	California MUTCD Option 2
2 Amar Road	Lark Ellen Avenue	Azusa Avenue	0.36	34,217	1.48	0.37	45	49	40-49	67%	45	California MUTCD Option 2
3 Amar Road	Azusa Avenue	Temple Avenue	0.29	46,245	1.48	0.89	45	50	41-50	65%	45	*
4 Amar Road	Temple Avenue	Shadow Oak Drive	0.45	48,036	1.48	0.55	45	51	41-50	57%	45	*
5 Amar Road	Shadow Oak Drive	Nogales Street	0.41	38,604	1.48	0.35	45	52	41-50	60%	50	Closest to 85th Speed
6 Amar Road	Nogales Street	East City Limits	0.41	29,458	1.45	0.00	45	50	40-49	60%	50	Closest to 85th Speed
7 Aroma Drive	Azusa Avenue	Galster Way	0.4	3,514	2.04	2.60	35	39	29-38	76%	35	California MUTCD Option 2
8 Aroma Drive	Galster Way	Fairgrove Drive	0.35	317	2.21	0.00	35	35	26-35	84%	35	Closest to 85th Speed
9 Azusa Avenue	Badillo Street	Puente Avenue	0.23	35,452	2.22	0.78	40	41	33-42	75%	40	Closest to 85th Speed
10 Azusa Avenue	Puente Avenue	Rowland Avenue	0.23	43,165	2.22	0.74	40	43	33-42	66%	40	California MUTCD Option 2

* See "Segments with Special Conditions" Section for Comments
 ** 25 mph when children are present

*** Accident rate units: Collisions per One Million Vehicle Miles
 ADT = Average Daily Traffic

Exp.= Expected Collision Rate
 Act.= Actual Collision Rate

TABLE 2

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No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
11 Azusa Avenue	Rowland Avenue	Workman Avenue	0.23	40,287	2.22	0.99	40	41	32-41	64%	40	Closest to 85th Speed
12 Azusa Avenue	Workman Avenue	Garvey Avenue South	0.36	50,784	1.48	0.65	40	41	32-41	71%	40	Closest to 85th Speed
13 Azusa Avenue	Garvey Avenue South	Cortez Street	0.35	42,405	1.45	0.31	45	43	32-41	77%	45	Closest to 85th Speed
14 Azusa Avenue	Cortez Street	Cameron Avenue	0.23	63,664	1.45	0.06	45	43	30-39	58%	45	Closest to 85th Speed
15 Azusa Avenue	Cameron Avenue	Vine Avenue	0.23	41,651	1.45	0.29	45	43	30-39	68%	45	Closest to 85th Speed
16 Azusa Avenue	Vine Avenue	Merced Avenue	0.23	45,628	1.45	0.78	45	45	33-42	62%	45	Closest to 85th Speed
17 Azusa Avenue	Merced Avenue	Francisquito Avenue	0.24	59,497	1.45	0.64	45	42	33-42	71%	45	*
18 Azusa Avenue	Francisquito Avenue	Fairgrove Avenue	0.52	40,865	1.48	0.95	45	48	38-47	55%	45	California MUTCD Option 2
19 Azusa Avenue	Fairgrove Avenue	Giambi Lane	0.36	41,616	1.48	0.30	45	48	40-49	59%	45	California MUTCD Option 2
20 Azusa Avenue	Gaimbi Lane	Amar Road	0.46	49,724	1.48	0.40	45	49	41-50	64%	45	California MUTCD Option 2

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					Exp.	Act.						
21 Azusa Avenue	Amar Road	700' N of Temple Avenue	0.34	36,651	1.48	1.76	40	40	30-39	74%	40	Closest to 85th Speed
22 Azusa Canyon Road	North City Limits	San Bernardino Road	0.15	11,440	2.21	1.06	35	35	25-34	74%	35	Closest to 85th Speed
23 Badillo Street	West City Limits	Orange Avenue	0.19	16,328	1.45	0.29	45	45	34-43	66%	45	Closest to 85th Speed
24 Badillo Street	West City Limits	Sunset Avenue	0.21	18,008	1.45	0.24	45	48	37-46	64%	45	California MUTCD Option 2
25 Badillo Street	Sunset Avenue	Vincent Avenue	0.48	19,257	1.45	0.10	45	47	37-46	72%	45	Closest to 85th Speed
26 Badillo Street	Vincent Avenue	East City Limits	0.49	32,141	1.45	0.35	45	47	37-46	69%	45	Closest to 85th Speed
27 Barranca Street	Workman Avenue	Garvey Avenue South	0.27	32,175	1.48	0.21	35	37	29-38	79%	35	Closest to 85th Speed
28 Barranca Street	Garvey Avenue South	Cortez Street	0.48	15,526	2.04	0.61	40 **	41	30-39	68%	35 **	*
29 Barranca Street	Cortez Street	Cameron Avenue	0.2	11,573	2.04	1.18	40	40	31-40	65%	35	*
30 California Avenue	Garvey Avenue South	West Covina Parkway	0.28	5,594	2.04	1.17	25	23	16-25	87%	25	Closest to 85th Speed

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No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
31 California Avenue	West Covina Parkway	Cameron Avenue	0.4	6,217	2.21	0.00	35	40	30-39	73%	35	*
32 California Avenue	Cameron Avenue	Merced Avenue	0.54	7,020	2.21	0.96	35 **	38	28-37	74%	35 **	California MUTCD Option 2
33 California Avenue	Merced Avenue	Francisquito Avenue	0.67	5,155	2.21	0.26	35 **	41	31-40	74%	35 **	*
34 Calvados Avenue	James Avenue	Norma Avenue	0.05	5,062	2.21	0.00	25	24	16-25	87%	25	Closest to 85th Speed
35 Cameron Avenue	Pacific Avenue	Orange Street	0.31	21,927	2.04	0.27	35	40	31-40	77%	40	Closest to 85th Speed
36 Cameron Avenue	Orange Street	Sunset Avenue	0.34	17,507	2.04	0.31	40	41	30-39	59%	40	Closest to 85th Speed
37 Cameron Avenue	Sunset Avenue	California Avenue	0.35	22,793	2.04	0.34	40	42	33-42	73%	40	Closest to 85th Speed
38 Cameron Avenue	California Avenue	Glendora Avenue	0.23	18,381	2.04	1.30	40	39	30-39	65%	40	Closest to 85th Speed
39 Cameron Avenue	Glendora Avenue	Valinda Avenue	0.35	17,040	2.04	0.15	40	43	32-41	69%	40	California MUTCD Option 2
40 Cameron Avenue	Valinda Avenue	Lark Ellen Avenue	0.48	18,179	2.04	0.31	40 **	41	32-41	76%	40 **	Closest to 85th Speed

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					Exp.	Act.						
41 Cameron Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	17,545	2.04	0.64	40 **	42	31-40	75%	40 **	Closest to 85th Speed
42 Cameron Avenue	Azusa Avenue	Hollenbeck Street	0.49	17,271	1.92	0.54	45	46	36-45	53%	45	Closest to 85th Speed
43 Cameron Avenue	Hollenbeck Street	Citrus Street	0.49	17,496	1.92	0.21	45	47	36-45	59%	45	Closest to 85th Speed
44 Cameron Avenue	Citrus Street	Barranca Street	0.49	17,936	1.92	0.73	45	48	37-46	63%	45	California MUTCD Option 2
45 Cameron Avenue	Barranca Street	East City Limits	0.7	12,422	1.92	0.00	45	48	38-47	64%	45	California MUTCD Option 2
46 Cherrywood Street	120' N/O James Avenue	Garvey Avenue South	0.08	7,820	2.21	4.38	30	30	22-31	89%	30	Closest to 85th Speed
47 Citrus Street	Workman Avenue	Garvey Avenue South	0.32	32,800	1.48	0.26	35	39	30-39	84%	35	California MUTCD Option 2
48 Citrus Street	Garvey Avenue South	Cortez Street	0.39	14,806	2.04	0.63	40 **	39	30-39	82%	35 **	California MUTCD Option 2
49 Citrus Street	Cortez Street	Cameron Avenue	0.24	10,877	2.04	0.00	40	43	33-42	71%	40	California MUTCD Option 2
50 Citrus Street	Cameron Avenue	Vine Avenue	0.24	6,833	2.04	0.00	40	42	34-43	70%	40	Closest to 85th Speed

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No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
51 Citrus Street	Vine Avenue	Hillside Drive	0.75	2,520	2.21	0.97	40	45	32-43	61%	40	*
52 Cortez Street	Azusa Avenue	Hollenbeck Street	0.49	4,661	2.21	0.80	40	43	35-44	76%	40	California MUTCD Option 2
53 Cortez Street	Hollenbeck Street	Citrus Street	0.49	4,297	2.21	0.00	40	43	31-40	64%	40	California MUTCD Option 2
54 Cortez Street	Citrus Street	Barranca Avenue	0.5	3,016	2.21	1.82	35	41	32-41	64%	35	*
55 Cortez Street	Barranca Avenue	Grand Avenue	0.8	973	2.21	2.35	35	41	31-40	70%	35	*
56 Eveningside Drive	Fairgrove Avenue	Brentwood Drive	0.34	1,564	2.21	1.72	30	31	23-32	81%	25	*
57 Fairgrove Avenue	Lark Ellen Avenue	Kauai Street	0.28	4,371	2.21	0.00	40	40	31-40	79%	40	Closest to 85th Speed
58 Fairgrove Avenue	Kauai Street	Azusa Avenue	0.33	3,906	2.21	0.00	40	38	29-38	75%	35	California MUTCD Option 2
59 Fairway Lane	Garvey Avenue North	Grand Avenue	0.11	6,146	2.21	0.00	40	37	27-36	70%	35	Closest to 85th Speed
60 Francesca Drive	Woodgate Drive	Nogales Street	0.13	2,238	2.21	0.00	NP	29	20-29	83%	30	Closest to 85th Speed

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					Exp.	Act.						
61 Francisquito Avenue	West City Limits	Willow Avenue	0.27	26,771	2.04	0.63	35	45	34-43	68%	40	*
62 Francisquito Avenue	Willow Avenue	Orange Avenue	0.35	25,531	2.04	0.10	35/40	42	31-40	69%	40	Closest to 85th Speed
63 Francisquito Avenue	Orange Avenue	Sunset Avenue	0.35	23,887	2.04	0.22	40	43	32-41	71%	40	California MUTCD Option 2
64 Francisquito Avenue	Sunset Avenue	East City Limits	0.44	21,822	2.04	0.38	40	41	30-39	71%	40	Closest to 85th Speed
65 Francisquito Avenue	Glendora Avenue	Azusa Avenue	2.03	7,619	2.21	0.30	35 **	39	30-39	70%	35 **	California MUTCD Option 2
66 Galster Way	Aroma Drive	Westridge Road	0.2	1,761	2.21	2.59	25	35	25-34	74%	30	*
67 Garvey Avenue North	Garvey Avenue North	East City Limits	0.34	3,664	1.29	0.00	45	41	31-40	70%	40	Closest to 85th Speed
68 Garvey Avenue North	West City Limits	Cameron Avenue	0.61	10,562	2.21	0.57	40	38	27-36	67%	40	Closest to 85th Speed
69 Garvey Avenue North	Orange Avenue	Garvey Avenue North	0.53	7,178	2.21	0.24	40	41	30-39	58%	40	Closest to 85th Speed
70 Garvey Avenue North	Sunset Avenue	Vincent Avenue	0.6	2,415	2.21	1.26	40	41	30-39	66%	40	Closest to 85th Speed

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71 Garvey Avenue North	Azusa Avenue	Hollenbeck Street	0.55	3,318	2.21	3.00	35	38	29-38	67%	35	California MUTCD Option 2
72 Garvey Avenue North	Hollenbeck Street	Citrus Street	0.54	3,886	2.21	0.87	40	43	32-41	67%	40	California MUTCD Option 2
73 Garvey Avenue North	Barranca Avenue	Fairway Lane	0.42	8,018	2.04	1.90	40	43	34-43	59%	40	California MUTCD Option 2
74 Garvey Avenue South	West City Limits	Orange Avenue	0.75	6,039	1.29	0.60	45	36	24-33	69%	35	Closest to 85th Speed
75 Garvey Avenue South	West Covina Parkway	Sunset Avenue	0.33	5,994	2.21	0.00	35	37	27-36	72%	35	Closest to 85th Speed
76 Garvey Avenue South	Sunset Avenue	California Avenue	0.48	5,532	2.21	0.34	15	31	20-29	68%	25	*
77 Garvey Avenue South	Glendora Avenue	Lark Ellen Avenue	0.19	10,457	2.21	0.46	35	34	25-34	83%	35	Closest to 85th Speed
78 Garvey Avenue South	Lark Ellen Avenue	Cherrywood Street	0.3	7,376	2.21	0.41	35	38	29-38	72%	35	California MUTCD Option 2
79 Garvey Avenue South	Cherrywood Street	Azusa Avenue	0.21	8,421	2.21	0.52	35	35	26-35	72%	35	Closest to 85th Speed
80 Garvey Avenue South	Azusa Avenue	Hollenbeck Street	0.55	5,227	2.21	1.59	40	40	31-40	78%	35	*

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81 Garvey Avenue South	Hollenbeck Street	James Avenue	0.35	3,501	2.21	0.75	NP	37	26-35	76%	35	Closest to 85th Speed
82 Garvey Avenue South	Citrus Street	Barranca Avenue	0.52	7,664	2.21	2.75	35	39	29-38	60%	35	California MUTCD Option 2
83 Garvey Avenue South	Barranca Avenue	Holt Avenue	0.31	5,007	2.21	0.59	35	35	24-33	63%	35	Closest to 85th Speed
84 Gemini Street	Kimberly Drive	Shadow Oak Drive	0.45	3,281	2.21	0.00	25	31	22-31	76%	25	*
85 Giano Avenue	Gemini Street	Wednesday Avenue	0.16	2,832	2.21	2.02	NP **	30	23-32	78%	30 **	Closest to 85th Speed
86 Glendora Avenue	Garvey Avenue South	Lakes Drive	0.25	8,189	2.21	1.34	35	34	23-32	69%	30	California MUTCD Option 2
87 Glendora Avenue	Lakes Drive	Walnut Creek Parkway	0.11	8,221	2.04	0.00	35	33	23-32	72%	30	California MUTCD Option 2
88 Glendora Avenue	Walnut Creek Parkway	Vincent Avenue	0.24	5,809	2.04	0.00	35	39	29-38	69%	35	California MUTCD Option 2
89 Glendora Avenue	Vincent Avenue	Cameron Avenue	0.36	26,309	2.22	1.64	40 **	42	30-39	66%	40 **	Closest to 85th Speed
90 Glendora Avenue	Cameron Avenue	Vine Avenue	0.33	28,518	2.22	0.78	40	41	31-40	59%	40	Closest to 85th Speed

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91 Glendora Avenue	Vine Avenue	Merced Avenue	0.21	27,673	2.22	0.63	40	43	32-41	54%	40	California MUTCD Option 2
92 Glendora Avenue	Merced Avenue	South City Limits	0.34	28,242	2.22	0.29	40	46	36-45	56%	40	*
93 Grand Avenue	North City Limits	South City Limits	0.44	35,602	1.45	0.29	40/45	39	29-38	72%	40	Closest to 85th Speed
94 Hillside Drive	Westridge Road	Foothill Drive	0.55	1,447	2.21	0.00	35	33	25-34	82%	35	Closest to 85th Speed
95 Hillside Drive	Foothill Drive	Citrus Street	0.54	1,987	2.21	1.70	35	36	26-35	69%	35	Closest to 85th Speed
96 Hillside Drive	Citrus Street	Sunrise Road	0.32	1,877	2.21	0.00	35	37	28-37	66%	35	Closest to 85th Speed
97 Hillside Drive	Sunrise Road	Holiday Drive	0.56	2,532	2.21	0.00	35	37	28-37	68%	35	Closest to 85th Speed
98 Hillside Drive	Holiday Drive	Grand Avenue	0.2	2,537	2.21	0.00	35	36	27-36	86%	35	Closest to 85th Speed
99 Hollenbeck Street	North City Limits	Cortez Street	0.73	18,822	2.04	0.00	40	45	36-45	76%	40	*
100 Hollenbeck Street	Cortez Street	Cameron Avenue	0.23	14,707	2.04	0.00	40	38	29-38	76%	40	Closest to 85th Speed

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101 Hollenbeck Street	Cameron Avenue	Vine Avenue	0.24	10,303	2.04	0.00	40	42	33-42	74%	40	Closest to 85th Speed
102 Hollenbeck Street	Vine Avenue	Merced Avenue	0.24	10,889	2.04	0.00	40 **	42	31-40	68%	40 **	Closest to 85th Speed
103 Holt Avenue	Garvey Avenue South	Grand Avenue	0.24	7,717	2.04	0.00	40	40	32-41	75%	40	Closest to 85th Speed
104 Holt Avenue	Grand Avenue	East City Limits	0.53	11,467	2.04	0.15	40	44	34-43	73%	40	California MUTCD Option 2
105 La Puente Road	Nogales Street	Sentous Avenue	0.39	13,280	2.04	0.35	40	47	36-45	70%	45	Closest to 85th Speed
106 La Puente Road	Sentous Avenue	East City Limits	0.68	13,414	1.92	0.10	45	48	38-47	57%	45	California MUTCD Option 2
107 Lakes Drive (E-W)	Vincent Avenue	Lakes Drive (N-S)	0.13	10,381	2.22	0.00	NP	29	20-29	78%	25	California MUTCD Option 2
108 Lakes Drive (N-S)	Lakes Drive (E-W)	Glendora Avenue	0.09	7,416	2.21	0.00	NP	26	17-26	90%	25	Closest to 85th Speed
109 Lark Ellen Avenue	San Bernardino Road	Puente Avenue	0.37	16,673	2.04	0.30	40 **	43	34-43	67%	40 **	California MUTCD Option 2
110 Lark Ellen Avenue	Puente Avenue	Rowland Avenue	0.23	20,244	2.04	0.59	40 **	46	36-45	69%	40 **	*

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111 Lark Ellen Avenue	Rowland Avenue	Workman Avenue	0.24	17,300	2.04	0.00	40	41	31-40	75%	40	Closest to 85th Speed
112 Lark Ellen Avenue	Workman Avenue	Garvey Avenue South	0.27	20,706	2.04	0.16	40	44	34-43	63%	40	California MUTCD Option 2
113 Lark Ellen Avenue	Garvey Avenue South	Cameron Avenue	0.69	17,381	2.21	0.08	40 **	40	32-41	80%	40 **	Closest to 85th Speed
114 Lark Ellen Avenue	Cameron Avenue	Vine Avenue	0.24	12,978	2.21	0.00	40	40	31-40	73%	40	Closest to 85th Speed
115 Lark Ellen Avenue	Vine Avenue	South City Limits	0.43	14,266	2.04	0.15	40	41	32-41	80%	40	Closest to 85th Speed
116 Lark Ellen Avenue	Maple Grove Street	Fairgrove Avenue	0.31	6,877	2.04	0.00	40	41	32-41	65%	40	Closest to 85th Speed
117 Lark Ellen Avenue	Fairgrove Avenue	Amar Road	0.33	8,337	2.04	1.00	40	44	35-44	66%	40	California MUTCD Option 2
118 Merced Avenue	West City Limits	Orange Avenue	0.55	9,814	2.04	0.68	40	43	34-43	76%	40	California MUTCD Option 2
119 Merced Avenue	Orange Avenue	Sunset Avenue	0.35	13,762	2.04	0.57	40 **	42	33-42	80%	40 **	Closest to 85th Speed
120 Merced Avenue	Sunset Avenue	California Avenue	0.35	14,382	2.04	1.09	40	42	33-42	74%	40	Closest to 85th Speed

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121 Merced Avenue	California Avenue	Glendora Avenue	0.22	13,555	2.04	0.31	40	43	34-43	71%	40	California MUTCD Option 2
122 Merced Avenue	Glendora Avenue	Walnut Avenue	0.27	10,834	2.04	0.62	40	40	30-39	74%	40	Closest to 85th Speed
123 Merced Avenue	Walnut Avenue	Valinda Avenue	0.49	9,612	2.04	0.19	40	43	33-42	70%	40	California MUTCD Option 2
124 Merced Avenue	Valinda Avenue	Lark Ellen Avenue	0.48	8,658	2.04	0.88	40	47	36-45	67%	40	*
125 Merced Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	7,985	2.04	0.47	40 **	44	35-44	70%	40 **	California MUTCD Option 2
126 Merced Avenue	Azusa Avenue	Hollenbeck Street	0.49	7,487	2.21	0.75	25 **	40	31-40	68%	35 **	*
127 Morgan Field Avenue	Hollingsworth Street	Valley Boulevard	0.33	1,943	2.21	0.00	25	36	27-36	75%	30	*
128 Nogales Street	Amar Road	Shadow Oak Drive	0.57	23,535	1.45	0.00	50	44	31-40	55%	45	Closest to 85th Speed
129 Nogales Street	Shadow Oak Drive	La Puente Road	0.74	28,018	1.45	0.13	50	47	36-45	60%	45	Closest to 85th Speed
130 Nogales Street	La Puente Road	Valley Boulevard	0.48	34,059	1.48	0.00	40	42	31-40	66%	40	Closest to 85th Speed

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131 Norma Avenue	Calvado Avenue	Citrus Street	0.15	4,469	2.21	1.36	25	36	27-36	77%	30	*
132 Orange Avenue	San Bernardino Road	Puente Avenue	0.48	10,328	2.21	0.00	35/40	39	30-39	74%	40	Closest to 85th Speed
133 Orange Avenue	Puente Avenue	Garvey Avenue North	0.65	7,291	2.21	0.19	35 **	39	29-38	70%	35 **	California MUTCD Option 2
134 Orange Avenue	Northerly Cul-de Sac	Cameron Avenue	0.08	3,842	2.21	2.97	NP	31	19-28	63%	25	*
135 Orange Avenue	Cameron Avenue	Merced Avenue	0.51	11,292	2.21	0.16	35	43	33-42	68%	40	California MUTCD Option 2
136 Orange Avenue	Merced Avenue	Francisquito Avenue	0.68	6,656	2.21	0.81	35 **	38	30-39	81%	35 **	California MUTCD Option 2
137 Orange Avenue	Francisquito Avenue	Fairgrove Avenue	0.42	7,250	2.21	0.00	35 **	40	30-39	74%	35 **	*
138 Pacific Avenue	Ardilla Avenue	Cameron Avenue	0.27	22,502	2.04	0.00	40	46	36-45	73%	40	*
139 Pacific Avenue	Cameron Avenue	Garvey Avenue South	0.3	22,043	2.04	0.55	35	38	26-35	58%	35	California MUTCD Option 2
140 Pass and Covina Road	Maple Grove Street	Lark Ellen Avenue	0.31	3,985	2.21	0.00	NP	42	33-42	71%	40	Closest to 85th Speed

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141 Plaza Drive	California Avenue	Vincent Avenue	0.05	16,626	1.48	0.00	NP	23	16-25	91%	25	Closest to 85th Speed
142 Puente Avenue	West City Limits	Sunset Avenue	0.62	9,766	2.04	0.30	40 **	40	31-40	78%	40 **	Closest to 85th Speed
143 Puente Avenue	Sunset Avenue	Vincent Avenue	0.49	11,090	2.04	0.17	40	46	38-47	78%	40	*
144 Puente Avenue	Vincent Avenue	Lark Ellen Avenue	0.5	16,160	2.04	0.23	40	47	37-46	65%	40	*
145 Puente Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	11,973	2.04	1.25	40	46	36-45	68%	40	*
146 Puente Avenue	Azusa Avenue	East City Limits	0.24	10,352	2.21	0.37	40 **	44	34-43	62%	40 **	California MUTCD Option 2
147 Rowland Avenue	Sunset Avenue	Vincent Avenue	0.5	3,732	2.21	0.49	35	40	33-42	79%	35	*
148 Rowland Avenue	Vincent Avenue	Lark Ellen Avenue	0.52	7,661	2.21	0.46	35	40	31-40	81%	35	*
149 Rowland Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	11,544	2.22	0.81	35	45	34-43	74%	40	*
150 Rowland Avenue	Azusa Avenue	East City Limits	0.24	13,933	2.22	0.55	NP **	39	31-40	76%	35 **	California MUTCD Option 2

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151 San Bernardino Road	West City Limits	Orange Avenue	0.19	16,158	2.22	0.59	35	39	26-35	61%	35	California MUTCD Option 2
152 Sentous Avenue	La Puente Road	Hollingworth Street	0.3	4,292	2.21	0.71	35 **	40	30-39	61%	35 **	*
153 Sentous Avenue	Hollingworth Street	Valley Boulevard	0.33	5,302	2.21	1.04	35	33	23-32	78%	35	Closest to 85th Speed
154 Shadow Oak Drive	Amar Road	Woodgate Drive	0.2	8,712	2.04	0.00	40	39	30-39	81%	40	Closest to 85th Speed
155 Shadow Oak Drive	Woodgate Drive	Gemini Street	0.32	8,223	2.04	0.35	40	41	33-42	76%	40	Closest to 85th Speed
156 Shadow Oak Drive	Gemini Street	Nogales Street	0.74	5,601	2.04	0.88	40	40	30-39	69%	40	Closest to 85th Speed
157 Shakespeare Drive	Shadow Oak Drive	Tuesday Drive	0.26	2,264	2.21	0.00	35	34	26-35	66%	35	Closest to 85th Speed
158 Shakespeare Drive	Tuesday Drive	Nogales Street	0.4	4,752	2.21	0.00	35	36	26-35	76%	35	Closest to 85th Speed
159 Stephanie Drive	Tuesday Drive	Shadow Oak Drive	0.32	1,553	2.21	1.84	NP	31	23-32	88%	30	Closest to 85th Speed
160 Sunset Avenue	North City Limits	Puente Avenue	0.37	24,055	2.22	0.72	40 **	42	31-40	74%	40 **	Closest to 85th Speed

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161 Sunset Avenue	Puente Avenue	Rowland Avenue	0.25	22,745	2.22	0.64	40	43	34-43	67%	40	California MUTCD Option 2
162 Sunset Avenue	Rowland Avenue	Workman Avenue	0.24	23,819	2.22	0.64	40	41	32-41	75%	40	Closest to 85th Speed
163 Sunset Avenue	Workman Avenue	Cameron Avenue	0.66	29,585	2.22	0.14	40	38	30-39	61%	40	Closest to 85th Speed
164 Sunset Avenue	Cameron Avenue	Merced Avenue	0.5	31,674	2.22	1.15	40	39	29-38	74%	40	Closest to 85th Speed
165 Sunset Avenue	Merced Avenue	Francisquito Avenue	0.68	28,981	2.22	0.19	40	44	33-42	67%	40	California MUTCD Option 2
166 Sunset Avenue	Francisquito Avenue	South City Limits	0.42	27,919	2.22	0.70	40	43	33-42	70%	40	California MUTCD Option 2
167 Temple Avenue	Amar Road	South City Limits	0.55	11,519	2.21	0.14	35	37	28-37	57%	35	Closest to 85th Speed
168 Tuesday Drive	Stephanie Drive	Shakespeare Drive	0.41	2,147	2.21	1.04	25	39	29-38	63%	35	California MUTCD Option 2
169 Valinda Avenue	Glendora Avenue	Service Avenue	0.14	17,050	2.04	0.00	NP **	37	26-35	69%	35 **	Closest to 85th Speed
170 Valinda Avenue	Service Avenue	Cameron Avenue	0.24	17,281	2.04	1.54	40	43	35-44	72%	40	California MUTCD Option 2

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171 Valinda Avenue	Cameron Avenue	Vine Avenue	0.24	18,955	2.04	0.00	40	41	31-40	79%	40	Closest to 85th Speed
172 Valinda Avenue	Vine Avenue	South City Limits	0.37	18,165	2.04	0.82	40 **	39	31-40	76%	40 **	Closest to 85th Speed
173 Valinda Avenue	Maplegrove Street	South City Limits	0.58	25,371	2.04	0.00	40	44	34-43	69%	40	California MUTCD Option 2
174 Valley Boulevard	West City Limits	East City Limits	1.11	33,464	1.48	0.37	50	49	40-49	58%	50	Closest to 85th Speed
175 Vincent Avenue	Badillo Street	Puente Avenue	0.24	22,833	2.22	0.00	40	42	32-41	58%	40	Closest to 85th Speed
176 Vincent Avenue	Puente Avenue	Rowland Avenue	0.24	23,755	2.22	0.16	40	43	33-42	67%	40	California MUTCD Option 2
177 Vincent Avenue	Rowland Avenue	Workman Avenue	0.24	24,324	2.22	0.00	40	41	32-41	76%	40	Closest to 85th Speed
178 Vincent Avenue	Workman Avenue	Interstate 10	0.27	34,004	1.48	0.30	35	37	25-34	65%	35	Closest to 85th Speed
179 Vincent Avenue	Interstate 10	Glendora Avenue	0.37	20,994	1.48	1.41	35	39	31-40	67%	35	California MUTCD Option 2
180 Vine Avenue	Glendora Avenue	Valinda Avenue	0.58	3,744	2.21	0.42	25 **	38	31-40	52%	35 **	California MUTCD Option 2

* See "Segments with Special Conditions" Section for Comments
 ** 25 mph when children are present

*** Accident rate units: Collisions per One Million Vehicle Miles
 ADT = Average Daily Traffic

Exp.= Expected Collision Rate
 Act.= Actual Collision Rate

TABLE 2

SUMMARY OF RECOMMENDATIONS

No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
181 Vine Avenue	Valinda Avenue	Lark Ellen Avenue	0.49	4,350	2.21	0.86	25	38	26-35	60%	35	California MUTCD Option 2
182 Vine Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	3,867	2.21	0.48	25	38	25-34	64%	35	California MUTCD Option 2
183 Vine Avenue	Azusa Avenue	Hollenbeck Street	0.49	3,757	2.21	0.00	25 **	39	29-38	70%	35 **	California MUTCD Option 2
184 Vine Avenue	Hollenbeck Street	Citrus Street	0.49	4,345	2.21	0.00	25	40	32-41	71%	35	*
185 Wednesday Drive	Giano Avenue	Tuesday Drive	0.37	3,115	2.21	0.00	NP	35	26-35	80%	30	*
186 West Covina Parkway	Garvey Avenue North	Sunset Avenue	0.28	24,546	2.22	0.40	35	37	29-38	84%	35	Closest to 85th Speed
187 West Covina Parkway	Sunset Avenue	California Avenue	0.45	16,300	2.22	0.37	35	39	30-39	75%	35	California MUTCD Option 2
188 West Covina Parkway	California Avenue	Glendora Avenue	0.27	18,346	2.22	0.74	35	36	25-34	67%	35	Closest to 85th Speed
189 Woodgate Drive	Shadow Oak Drive	Amar Road	0.79	1,045	2.21	0.00	35	32	23-32	88%	30	Closest to 85th Speed
190 Workman Avenue	Sunset Avenue	Vincent Avenue	0.5	4,799	2.21	0.38	35	40	32-41	74%	35	*

* See "Segments with Special Conditions" Section for Comments
 ** 25 mph when children are present

*** Accident rate units: Collisions per One Million Vehicle Miles
 ADT = Average Daily Traffic

Exp.= Expected Collision Rate
 Act.= Actual Collision Rate

TABLE 2

SUMMARY OF RECOMMENDATIONS

No. Street	From	To	Dist. (mi.)	ADT	Collision Rate***		Posted Speed Limit	85% Speed	10 mi. Pace	% in Pace	Rec. Speed Limit	Comments
					Exp.	Act.						
191 Workman Avenue	Vincent Avenue	Lark Ellen Avenue	0.55	10,130	2.21	0.82	35	40	31-40	81%	35	*
192 Workman Avenue	Lark Ellen Avenue	Azusa Avenue	0.49	12,289	2.21	0.76	35	40	31-40	72%	35	*
193 Workman Avenue	Azusa Avenue	East City Limits	0.49	11,053	2.21	1.52	NP **	36	28-37	62%	35 **	Closest to 85th Speed
194 Workman Avenue	85' E/O Calvados Avenue	Citrus Street	0.13	13,100	2.21	3.22	35	39	28-37	74%	35	California MUTCD Option 2
195 Workman Avenue	Citrus Street	East City Limits	0.49	12,184	2.04	0.46	35 **	39	30-39	84%	35 **	California MUTCD Option 2

* See "Segments with Special Conditions" Section for Comments
 ** 25 mph when children are present

*** Accident rate units: Collisions per One Million Vehicle Miles
 ADT = Average Daily Traffic

Exp.= Expected Collision Rate
 Act.= Actual Collision Rate

SEGMENTS WITH SPECIAL CONDITIONS

The following segments surveyed had recommended speed limits that were 5 miles per hour (mph) or more below the critical speed due to conditions not readily apparent to the driver. Each segment is discussed below.

Segment #3 – Amar Road – Azusa Avenue to Temple Avenue

This segment is currently posted at 45 mph and has 3 through lanes in each direction with an ADT of 46,245 vehicles per day. The adjacent land use is commercial and residential. The critical speed is 50 mph and would normally justify a 50 mph posted speed limit. However, due to heavy pedestrian use that may not be apparent to unfamiliar drivers and to maintain uniformity with adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 45 mph for the above reasons.

Segment #4 – Amar Road – Temple Avenue to Shadow Oak Drive

This segment is currently posted at 45 mph and has 3 through lanes in each direction with an ADT of 48,036 vehicles per day. The adjacent land use is residential. The critical speed is 51 mph and would normally justify a 50 mph posted speed limit. However, to maintain uniformity with adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 45 mph for the above reasons.

Segment #17 – Azusa Avenue – Merced Avenue to Francisquito Avenue

This segment is currently posted at 45 mph and has 2 through lanes in each direction with an ADT of 59,497 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 42 mph and would normally justify a 40 mph posted speed limit. However, in order to maintain uniformity among adjacent segments, a higher speed limit is prudent. It is recommended that the speed limit remain at 45 mph for the above reasons.

Segment #28 – Barranca Street – Garvey Avenue South to Cortez Street

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 15,526 vehicles per day. The adjacent land use is residential with a school. The critical speed is 41 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic, and an uncontrolled crosswalk that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 35 mph for the above reasons.

Segment #29 – Barranca Street – Cortez Street to Cameron Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 11,573 vehicles per day. The adjacent land use is residential with a school. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic, hidden driveways that may not be apparent to unfamiliar drivers, and to and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 35 mph for the above reasons.

Segment #31 – California Avenue – West Covina Parkway to Cameron Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 6,217 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, in order to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #33 – California Avenue – Merced Avenue to Francisquito Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 5,155 vehicles per day. The adjacent land use is residential with a school zone. The critical speed is 41 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons. In addition, 25 mph school zones are recommended per Section 22352 of the California Vehicle Code.

Segment #51 – Citrus Street – Vine Avenue to Hillside Drive

This segment is currently posted at 40 mph and has 1 through lane in each direction with an ADT of 2,520 vehicles per day. The adjacent land use is residential with a golf course. The critical speed is 45 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #54 – Cortez Street – Citrus Street to Barranca Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 3,016 vehicles per day. The adjacent land use is residential. The critical speed is 41 mph and would normally justify a 40 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #55 – Cortez Street – Barranca Avenue to Grand Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 973 vehicles per day. The adjacent land use is residential. The critical speed is 41 mph and would normally justify a 40 mph posted speed limit. However, due to a collision rate that is higher than the statewide average, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #56 – Eveningside Drive – Fairgrove Avenue to Brentwood Drive

This segment is currently posted at 30 mph and has 1 through lane in each direction with an ADT of 1,564 vehicles per day. The adjacent land use is residential with a park. The critical speed is 31 mph and would normally justify a 30 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 25 mph for the above reasons.

Segment #61 – Francisquito Avenue – West City Limits to Willow Avenue

This segment is currently posted at 35 mph and has 2 through lanes in each direction with an ADT of 26,771 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 45 mph and would normally justify a 45 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 40 mph for the above reasons.

Segment #66 – Galster Way – Aroma Drive to Westridge Road

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 1,761 vehicles per day. The adjacent land use is residential with a park. The critical speed is 35 mph and would normally justify a 35 mph posted speed limit. However, due to a collision rate that is higher than the statewide average, a lower speed limit is prudent. It is recommended that the speed limit be posted at 30 mph for the above reasons.

Segment #75 – Garvey Avenue South – Sunset Avenue to California Avenue

This segment is currently posted at 15 mph and has 1 through lane in each direction with an ADT of 5,532 vehicles per day. The adjacent land use is commercial and freeway with a shopping mall. The critical speed is 31 mph and would normally justify a 30 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 25 mph for the above reasons.

Segment #79 – Garvey Avenue South – Azusa Avenue to Hollenbeck Street

This segment is currently posted at 40 mph and has 1 through lane in each direction with an ADT of 5,227 vehicles per day. The adjacent land use is commercial and freeway. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to heavy pedestrian traffic that may not be apparent to unfamiliar drivers and to maintain uniformity with adjacent street segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 35 mph for the above reasons.

Segment #84 – Gemini Street – Kimberly Drive to Shadow Oak Drive

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 3,281 vehicles per day. The adjacent land use is residential. The critical speed is 31 mph and would normally justify a 30 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 25 mph for the above reasons.

Segment #92 – Glendora Avenue – Merced Avenue to South City Limits

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 28,242 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 46 mph and would normally justify a 45 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers and to maintain uniformity with adjacent street segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 40 mph for the above reasons.

Segment #99 – Hollenbeck Street – North City Limits to Cortez Street

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 18,822 vehicles per day. The adjacent land use is residential and commercial with a school. The critical speed is 45 mph and would normally justify a 45 mph posted speed limit. However, due to moderate pedestrian traffic, an uncontrolled crosswalk and hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #103 – Holt Avenue – Garvey Avenue South to Grand Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 7,717 vehicles per day. The adjacent land use is residential. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #110 – Lark Ellen Avenue – Puente Avenue to Rowland Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 20,244 vehicles per day. The adjacent land use is residential with a school zone and park. The critical speed is 46 mph and would normally justify a 45 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons. In addition, 25 mph school zones are recommended per Section 22352 of the CVC.

Segment #124 – Merced Avenue – Valinda Avenue to Lark Ellen Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 8,658 vehicles per day. The adjacent land use is residential. The critical speed is 47 mph and would normally justify a 45 mph posted speed limit. However, due to moderate pedestrian traffic that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #126 – Merced Avenue – Azusa Avenue to Hollenbeck Street

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 7,487 vehicles per day. The adjacent land use is residential with a school. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic and an uncontrolled crosswalk that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 35 mph for the above reasons. In addition, 25 mph school zones are recommended per Section 22352 of the CVC.

Segment #127 – Morgan Field Avenue – Hollingsworth Street to Valley Boulevard

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 1,943 vehicles per day. The adjacent land use is residential. The critical speed is 36 mph and would normally justify a 35 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 30 mph for the above reasons.

Segment #131 – Norma Avenue – Calvado Avenue to Citrus Street

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 4,469 vehicles per day. The adjacent land use is residential. The critical speed is 36 mph and would normally justify a 35 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 30 mph for the above reasons.

Segment #134 – Orange Avenue – Northerly Cul-de Sac to Cameron Avenue

This segment currently does not have a posted speed limit and has 1 through lane in each direction with an ADT of 3,842 vehicles per day. The adjacent land use is commercial with a hospital. The critical speed is 31 mph and would normally justify a 30 mph posted speed limit. However, due to a collision rate that is higher than the statewide average, a lower speed limit is prudent. It is recommended that the speed limit be posted at 25 mph for the above reasons.

Segment #137 – Orange Avenue – Francisquito Avenue to Fairgrove Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 7,250 vehicles per day. The adjacent land use is residential and commercial with a school zone. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic and an uncontrolled crosswalk that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons. In addition, 25 mph school zones are recommended per Section 22352 of the CVC.

Segment #138 – Pacific Avenue – Ardilla Avenue to Cameron Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 22,502 vehicles per day. The adjacent land use is residential. The critical speed is 46 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #143 – Puente Avenue – Sunset Avenue to Vincent Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 11,090 vehicles per day. The adjacent land use is residential. The critical speed is 46 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent street segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #144 – Puente Avenue – Vincent Avenue to Lark Ellen Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 16,160 vehicles per day. The adjacent land use is residential with a park. The critical speed is 47 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent street segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #145 – Puente Avenue – Lark Ellen Avenue to Azusa Avenue

This segment is currently posted at 40 mph and has 2 through lanes in each direction with an ADT of 11,973 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 46 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent street segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 40 mph for the above reasons.

Segment #147 – Rowland Avenue – Sunset Avenue to Vincent Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 3,732 vehicles per day. The adjacent land use is residential. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to hidden driveways and an uncontrolled crosswalk that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #148 – Rowland Avenue – Vincent Avenue to Lark Ellen Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 7,661 vehicles per day. The adjacent land use is residential with a school. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic, hidden driveways and an uncontrolled crosswalk that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #149 – Rowland Avenue – Lark Ellen Avenue to Azusa Avenue

This segment is currently posted at 35 mph and has 2 through lanes in each direction with an ADT of 11,544 vehicles per day. The adjacent land use is residential and commercial with an adult school. The critical speed is 45 mph and would normally justify a 45 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit be posted at 40 mph for the above reasons.

Segment #152 – Sentous Avenue – La Puente Road to Hollingworth Street

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 4,292 vehicles per day. The adjacent land use is residential with a school zone. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons. In addition, 25 mph school zones are recommended per Section 22352 of the CVC.

Segment #184 – Vine Avenue – Hollenbeck Street to Citrus Street

This segment is currently posted at 25 mph and has 1 through lane in each direction with an ADT of 4,345 vehicles per day. The adjacent land use is residential. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to hidden driveways that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 35 mph for the above reasons.

Segment #185 – Wednesday Drive – Giano Avenue to Tuesday Drive

This segment currently does not have a posted speed limit and has 1 through lane in each direction with an ADT of 3,115 vehicles per day. The adjacent land use is residential. The critical speed is 35 mph and would normally justify a 35 mph posted speed limit. However, due to an uncontrolled crosswalk that may not be apparent to unfamiliar drivers and to maintain uniformity among adjacent segments, a lower speed limit is prudent. It is recommended that the speed limit be posted at 30 mph for the above reasons.

Segment #190 – Workman Avenue – Sunset Avenue to Vincent Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 4,799 vehicles per day. The adjacent land use is residential with a school. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to moderate pedestrian traffic and hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #191 – Workman Avenue – Vincent Avenue to Lark Ellen Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 10,130 vehicles per day. The adjacent land use is residential. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to an uncontrolled crosswalk and hidden driveways that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

Segment #192 – Workman Avenue – Lark Ellen Avenue to Azusa Avenue

This segment is currently posted at 35 mph and has 1 through lane in each direction with an ADT of 12,289 vehicles per day. The adjacent land use is residential and commercial. The critical speed is 40 mph and would normally justify a 40 mph posted speed limit. However, due to an uncontrolled crosswalk and moderate pedestrian traffic that may not be apparent to unfamiliar drivers, a lower speed limit is prudent. It is recommended that the speed limit remain at 35 mph for the above reasons.

LEGISLATIVE REFERENCES

APPLICABLE SECTIONS OF CALIFORNIA VEHICLE CODE

SECTION 1. Section 627 of the Vehicle Code:

Section 627.

- (a) *“Engineering and traffic survey,”* as used in this code, means a survey of highway and traffic conditions in accordance with methods determined by the Department of Transportation for use by state and local authorities.
- (b) An engineering and traffic survey shall include, among other requirements deemed necessary by the department, consideration of all of the following:
 - (1) Prevailing speeds as determined by traffic engineering measurements.
 - (2) Accident records.
 - (3) Highway, traffic, and roadside conditions not readily apparent to the driver.
- (c) When conducting an engineering and traffic survey, local authorities, in addition to the factors set forth in paragraphs (1) to (3), inclusive, of subdivision (b) may consider all of the following:
 - (1) Residential density, if any of the following conditions exist on the particular portion of highway and the property contiguous thereto, other than a business district:
 - a. Upon one side of the highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses of business structures.
 - b. Upon both sides of the highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures.
 - c. The portion of highway is longer than one-quarter of a mile but has the ratio of separate dwelling houses or business structures to the length of the highway described in either subparagraph (A) or (B).
 - (2) Pedestrian and bicyclist safety.

Section 21400.

- (b) The Department of Transportation shall revise the California Manual on Uniform Traffic Control Devices, as it read on January 1, 2012, to require the Department of Transportation or a local authority to round speed limits to the nearest five miles per hour of the 85th percentile of the free-flowing traffic. However, in cases in which the speed limit needs to be rounded up to the nearest five miles per hour increment of the 85th-percentile speed, the Department of Transportation or a local authority may decide to instead round down the speed limit to the lower five miles per hour increment, but then the Department of Transportation or a local authority shall not reduce the speed limit any further for any reason.

Basic Speed Law

22350. No person shall drive a vehicle upon a highway at a speed greater than is reasonable or prudent having due regard for weather, visibility, the traffic on, and the surface and width of, the highway, and in no event at a speed which endangers the safety of persons or property.

Speed Law Violations

Section 22351.

- (a) The speed of any vehicle upon a highway not in excess of the limits specified in Section 22352 or established as authorized in this code is lawful unless clearly proved to be in violation of the basic speed law.
- (b) The speed of any vehicle upon a highway in excess of the prima facie speed limits in Section 22352 or established as authorized in this code is prima facie unlawful unless the defendant establishes by competent evidence that the speed in excess of said limits did not constitute a violation of the basic speed law at the time, place and under the conditions then existing.

Prima Facie Speed Limits

Section 22352.

The prima facie limits are as follows and shall be applicable unless changed as authorized in this code and, if so changed, only when signs have been erected giving notice thereof:

- (a) Fifteen miles per hour:
 - (1) When traversing a railway grade crossing, if during the last 100 feet of the approach to the crossing the driver does not have a clear and unobstructed view of the crossing and of any traffic on the railway for a distance of 400 feet in both directions along such railway. This subdivision does not apply in the case of any railway grade crossing where a human flagman is on duty or a clearly visible electrical or mechanical railway crossing signal device is installed but does not then indicate the immediate approach of a railway train or car.
 - (2) When traversing any intersection of highways, if during the last 100 feet of the driver's approach to the intersection, the driver does not have a clear and unobstructed view of the intersection and of any traffic upon all of the highways entering the intersection for a distance of 100 feet along all those highways, except at an intersection protected by stop signs or yield right-of-way signs or controlled by official traffic control signals.
 - (3) On any alley.
- (b) Twenty-five miles per hour:
 - (1) On any highway other than a state highway, in any business or residence district unless a different speed is determined by local authority under procedures set forth in this code.
 - (2) When approaching or passing a school building or the grounds thereof, contiguous to a highway and posted with a standard "SCHOOL" warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. The prima facie limit shall also apply when approaching or passing any school grounds which are not separated from the highway by a fence, gate or other physical barrier while the grounds are in use by children and the highway is posted with a standard "SCHOOL" warning sign. For purposes of this subparagraph, standard "SCHOOL" warning signs may be placed at any distance up to 500 feet away from school grounds.

(3) When passing a senior center or other facility primarily used by senior citizens, contiguous to a street other than a state highway and posted with a standard "SENIOR" warning sign. A local authority may erect a sign pursuant to this paragraph when the local agency makes a determination that the proposed signing should be implemented. A local authority may request grant funding from the Pedestrian Safety Account pursuant to Section 894.7 of the Streets and Highways Code, or any other grant funding available to it, and use that grant funding to pay for the erection of those signs, or may utilize any other funds available to it to pay for the erection of those signs, including, but not limited to, donations from private sources.

Increase of Local Speed Limits to 65 Miles Per Hour

Section 22357.

- (a) Whenever a local authority determines upon the basis of an engineering and traffic survey that a speed greater than 25 miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon any street other than a state highway otherwise subject to a prima facie limit of 25 miles per hour, the local authority may by ordinance determine and declare a prima facie speed limit of 30, 35, 40, 45, 50, 55 or 60 miles per hour or a maximum speed limit of 65 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe. The declared prima facie or maximum speed limit shall be effective when appropriate signs giving notice thereof are erected upon the street and shall not thereafter be revised except upon the basis of an engineering and traffic survey. This section does not apply to any 25 mile per hour prima facie limit, which is applicable when passing a school building or the grounds thereof or when passing a senior center or other facility primarily used by senior citizens.
- (b) This section shall become operative on the date specified in subdivision (c) of Section 22366.

Downward Speed Zoning

Section 22358.5.

It is the intent of the Legislature that physical conditions such as width, curvature, grade and surface conditions, or any other condition readily apparent to a driver, in the absence of other factors, would not require special downward speed zoning, as the basic rule of Section 22350 is sufficient regulation as to such conditions.

Boundary Line Streets

Section 22359.

With respect to boundary line streets and highways where portions thereof are within different jurisdictions, no ordinance adopted under Sections 22357 and 22358 shall be effective as to any such portion until all authorities having jurisdiction of the portions of the street concerned have approved the same. This section shall not apply in the case of boundary line streets consisting of separate roadways within different jurisdictions.

Speed Trap Prohibition

Section 40801.

No peace officer or other person shall use a speedtrap in arresting, or participating or assisting in the arrest of, any person for any alleged violation of this code nor shall any speed trap be used in securing evidence as to the speed of any vehicle for the purpose of an arrest or prosecution under this code.

Speed Trap

Section 40802.

(a) A "speed trap" is either of the following:

- (1) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.
- (2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving object. This paragraph does not apply to a local street, road, or school zone.

(b)(1) For purposes of this section, a local street or road is one that is functionally classified as "local" on the "California Road System Maps," that are approved by the Federal Highway Administration and maintained by the Department of Transportation. When a street or road does not appear on the "California Road System Maps," it may be defined as a "local street or road" if it primarily provides access to abutting residential property and meets the following three conditions:

- (A) Roadway width of not more than 40 feet.
- (B) Not more than one-half of a mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in Section 445.
- (C) Not more than one traffic lane in each direction.

(2) For purposes of this section "school zone" means that area approaching or passing a school building or the grounds thereof that is contiguous to a highway and on which is posted a standard "SCHOOL" warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. "School zone" also includes the area approaching or passing any school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children if that highway is posted with a standard "SCHOOL" warning sign.

(c)(1) When all the following criteria are met, paragraph (2) of this subdivision shall be applicable and subdivision (a) shall not be applicable:

- (A) When radar is used, the arresting officer has successfully completed a radar operator course of not less than 24 hours on the use of police traffic radar, and the course was approved and certified by the Commission on Peace Officer Standards and Training.

- (B) When laser or any other electronic device is used to measure the speed of moving objects, the arresting officer has successfully completed the training required in subparagraph (A) and an additional training course of not less than two hours approved and certified by the Commission on Peace Officer Standards and Training.
 - (C)(i) The prosecution proved that the arresting officer complied with subparagraphs (A) and (B) and that an engineering and traffic survey has been conducted in accordance with subparagraph (B) of paragraph (2). The prosecution proved that, prior to the officer issuing the notice to appear, the arresting officer established that the radar, laser, or other electronic device conformed to the requirements of subparagraph (D).
 - (ii) The prosecution proved the speed of the accused was unsafe for the conditions present at the time of alleged violation unless the citation was for a violation of Section 22349, 22356, or 22406.
 - (D) The radar, laser, or other electronic device used to measure the speed of the accused meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration, and has been calibrated within the three years prior to the date of the alleged violation by an independent certified laser or radar repair and testing or calibration facility.
- (2) A “speed trap” is either of the following:
- (A) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.
 - (B)(i) A particular section of a highway or state highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within one of the following time periods, prior to the date of the alleged violation, and enforcement of speed limit involves the use of radar or any other electronic device that measures the speed of moving objects:
 - (I) Except as specified in subclause (II), seven years.
 - (II) If an engineering and traffic survey was conducted more than seven years prior to the date of the alleged violation, and a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or traffic conditions have occurred including, but not limited to, changes in adjoining property or land use, roadway width, or traffic volume, 10 years.
 - (ii) This subparagraph does not apply to a local street, road, or school zone.

Speed Trap Evidence

Section 40803.

- (a) No evidence as to the speed of a vehicle upon a highway shall be admitted in any court upon the trial of any person in any prosecution under this code upon a charge involving the speed

of a vehicle when the evidence is based upon or obtained from or by the maintenance or use of a speed trap.

- (b) In any prosecution under this code of a charge involving the speed of a vehicle, where enforcement involves the use of radar or other electronic devices which measure the speed of moving objects, the prosecution shall establish, as part of its prima facie case, that the evidence or testimony presented is not based upon a speed trap as defined in paragraph (2) of subdivision (a) of Section 40802.
- (c) When a traffic and engineering survey is required pursuant to paragraph (2) of subdivision (a) of Section 40802, evidence that a traffic and engineering survey has been conducted within five years of the date of the alleged violation or evidence that the offense was committed on a local street or road as defined in paragraph (2) of subdivision (a) of Section 40802 shall constitute a prima facie case that the evidence or testimony is not based upon a speed trap as defined in paragraph (2) subdivision (a) of Section 40802.

APPENDIX A

Street Segment Data

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

57

STREET	Fairgrove Avenue	CERTIFICATION DATE	10/5/2017
FROM	Lark Ellen Avenue	TO	Kauai Street

SPEED FACTORS

Date of Speed Survey	4/4/2017	Posted Speed Limit	40 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	40 mph		
Average Speed	36 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	79	Recommended Speed Limit	40 mph
Number of Survey Samples	228		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	4,371	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Lark Ellen		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, few		

ROADWAY FACTORS

Length of Segment	0.280	miles	
Width	44	feet	
Vertical Curve?	Yes		
Horizontal Curve?	Yes		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential		

Field Study By	AM	Checked By	NS
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CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).



Jeffrey Lau

10/5/2017

Date

CE 83887

State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Garvey Avenue North **CERTIFICATION DATE** 10/5/2017
FROM Hollenbeck Street **TO** Citrus Street

SPEED FACTORS

Date of Speed Survey	3/20/2017	Posted Speed Limit	40 mph
Time of Speed Survey	12:22PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	37 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	40 mph
Number of Survey Samples	220		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.87	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	3,886	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Citrus, Hollenbeck		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	North side		
Driveways?	North side, many		

ROADWAY FACTORS

Length of Segment	0.540	miles
Width	32	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Fair	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017

Date

CE 83887

State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

74

STREET Garvey Avenue South **CERTIFICATION DATE** 10/5/2017
FROM West City Limits **TO** Orange Avenue

SPEED FACTORS

Date of Speed Survey	4/5/2017	Posted Speed Limit	45 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	30 mph	Closest to 85th Speed	
85th Percentile Speed	36 mph		
Average Speed	30 mph		
10 mph Pace Speed	24-33		
Percentage of Vehicles in Pace	69	Recommended Speed Limit	35 mph
Number of Survey Samples	350		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	1.29	Collisions/MVM
Collisions per Million Vehicle Miles	0.60	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	6,039	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Orange, Merced		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides, varies		
Sidewalks?	Both sides, varies		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.750	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides (mainly south)	
Adjacent Land Use	Commercial, residential	

Field Study By AM Checked By NS

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	10/5/2017	CE 83887
Jeffrey Lau	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Garvey Avenue South **CERTIFICATION DATE** 10/5/2017
FROM West Covina Parkway **TO** Sunset Avenue

SPEED FACTORS

Date of Speed Survey	4/4/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:55PM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	Closest to 85th Speed	
85th Percentile Speed	37 mph		
Average Speed	32 mph		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	72	Recommended Speed Limit	35 mph
Number of Survey Samples	220		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	5,994	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ West Covina Parkway		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	None		
Driveways?	South side, few		

ROADWAY FACTORS

Length of Segment	0.330	miles
Width	50	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Poor	
Lighting	North side	
Adjacent Land Use	Civic Center, Freeway	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

77

STREET Garvey Avenue South **CERTIFICATION DATE** 10/5/2017
FROM Glendora Avenue **TO** Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	4/3/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:25PM	Speed Justification	
50th Percentile Speed (Mean Speed)	30 mph	Closest to 85th Speed	
85th Percentile Speed	34 mph		
Average Speed	30 mph		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	83	Recommended Speed Limit	35 mph
Number of Survey Samples	213		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.46	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	10,457	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Lark Ellen		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	South side		
Driveways?	South side, many		

ROADWAY FACTORS

Length of Segment	0.190	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	South side	
Adjacent Land Use	Residential, freeway	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

82

STREET Garvey Avenue South **CERTIFICATION DATE** 10/5/2017
FROM Citrus Street **TO** Barranca Avenue

SPEED FACTORS

Date of Speed Survey	3/27/2017	Posted Speed Limit	35 mph
Time of Speed Survey	11:38AM	Speed Justification	
50th Percentile Speed (Mean Speed)	33 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	33 mph		
10 mph Pace Speed	29-38		
Percentage of Vehicles in Pace	60	Recommended Speed Limit	35 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	12	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	2.75	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	7,664	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Citrus, Barranca		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides, south side at midsegment		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.520	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Fair	
Lighting	South side	
Adjacent Land Use	Commercial, freeway	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

83

STREET Garvey Avenue South **CERTIFICATION DATE** 10/5/2017
FROM Barranca Avenue **TO** Holt Avenue

SPEED FACTORS

Date of Speed Survey	3/27/2017	Posted Speed Limit	35 mph
Time of Speed Survey	10:22AM	Speed Justification	
50th Percentile Speed (Mean Speed)	29 mph	Closest to 85th Speed	
85th Percentile Speed	35 mph		
Average Speed	29 mph		
10 mph Pace Speed	24-33		
Percentage of Vehicles in Pace	63	Recommended Speed Limit	35 mph
Number of Survey Samples	209		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.59	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	5,007	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Barranca, Stop @ I -10 on/off ramp (WB only)		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	None		
Sidewalks?	South side		
Driveways?	South side, many		

ROADWAY FACTORS

Length of Segment	0.310	miles
Width	32	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Fair	
Roadway Conditions	Poor	
Lighting	South side	
Adjacent Land Use	Commercial, Freeway	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

85

STREET Giano Avenue
FROM Gemini Street

CERTIFICATION DATE 10/5/2017
TO Wednesday Avenue

SPEED FACTORS

Date of Speed Survey	3/30/2017	Posted Speed Limit	NP mph
Time of Speed Survey	10:08AM	Speed Justification	
50th Percentile Speed (Mean Speed)	26 mph	Closest to 85th Speed	
85th Percentile Speed	30 mph		
Average Speed	26 mph		
10 mph Pace Speed	23-32		
Percentage of Vehicles in Pace	78	Recommended Speed Limit	30 mph
Number of Survey Samples	124		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	2.02	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	2,832	Date Counted	4/13/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Wednesday, Yvonne, Gemini		
Crosswalks?	@ Gemini		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.160	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	East side	
Adjacent Land Use	Residential, school	

Field Study By AM

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Hillside Drive **CERTIFICATION DATE** 10/5/2017
FROM Holiday Drive **TO** Grand Avenue

SPEED FACTORS

Date of Speed Survey	3/31/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	33 mph	Closest to 85th Speed	
85th Percentile Speed	36 mph		
Average Speed	33 mph		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	86	Recommended Speed Limit	35 mph
Number of Survey Samples	83		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	2,537	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Holiday, Grand		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.200 miles
Width	40 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Fair
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential, vacant

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET	Hollenbeck Street	CERTIFICATION DATE	10/5/2017
FROM	North City Limits	TO	Cortez Street

SPEED FACTORS

Date of Speed Survey	1/24/2017	Posted Speed Limit	40 mph
Time of Speed Survey	12:44PM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Uncontrolled X-Walk, Hidden	
85th Percentile Speed	45 mph	Driveways, Moderate Pedestrian Traffic	
Average Speed	41 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	40 mph
Number of Survey Samples	208		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

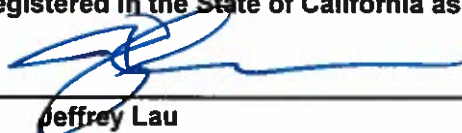
Average Daily Traffic	18,822	Date Counted	1/26/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Garvey N, Garvey S, Workman, Stop @ Cortez		
Crosswalks?	@ TS, Stop, Rio Verde Dr		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.730	miles	
Width	60	feet	
Vertical Curve?	Yes		
Horizontal Curve?	None		
Visibility	Fair		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential, commercial, school		

Field Study By	AM	Checked By	NS
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 Jeffrey Lau

10/5/2017
 Date

CE 83887
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

100

STREET Hollenbeck Street
FROM Cortez Street
CERTIFICATION DATE 10/5/2017
TO Cameron Avenue

SPEED FACTORS

Date of Speed Survey 1/31/2017 Posted Speed Limit 40 mph
Time of Speed Survey 10:40AM Speed Justification
50th Percentile Speed (Mean Speed) 34 mph Closest to 85th Speed
85th Percentile Speed 38 mph
Average Speed 34 mph
10 mph Pace Speed 29-38
Percentage of Vehicles in Pace 76 Recommended Speed Limit 40 mph
Number of Survey Samples 221

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 0
Statewide Average Collision Rate 2.04 Collisions/MVM
Collisions per Million Vehicle Miles 0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic 14,707 Date Counted 1/26/2017
Number of Lanes 4
Type of Traffic Control TS @ Cameron, Stop @ Cortez
Crosswalks? @ TS, Stop
Pedestrian Traffic Light
Truck Traffic Light
On-Street Parking Both sides
Sidewalks? Both sides
Driveways? Both sides, many

ROADWAY FACTORS

Length of Segment 0.230 miles
Width 60 feet
Vertical Curve? None
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting West side
Adjacent Land Use Residential

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

101

STREET Hollenbeck Street **CERTIFICATION DATE** 10/5/2017
FROM Cameron Avenue **TO** Vine Avenue

SPEED FACTORS

Date of Speed Survey 1/31/2017 **Posted Speed Limit** 40 mph
Time of Speed Survey 11:11AM **Speed Justification**
50th Percentile Speed (Mean Speed) 37 mph **Closest to 85th Speed**
85th Percentile Speed 42 mph
Average Speed 37 mph
10 mph Pace Speed 33-42
Percentage of Vehicles in Pace 74 **Recommended Speed Limit** 40 mph
Number of Survey Samples 215

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 0
Statewide Average Collision Rate 2.04 Collisions/MVM
Collisions per Million Vehicle Miles 0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic 10,303 **Date Counted** 1/26/2017
Number of Lanes 4
Type of Traffic Control TS @ Cameron, Stop @ Vine
Crosswalks? @ TS, Stop
Pedestrian Traffic Light
Truck Traffic Light
On-Street Parking Both sides
Sidewalks? Both sides
Driveways? Both sides, many

ROADWAY FACTORS

Length of Segment 0.240 miles
Width 60 feet
Vertical Curve? None
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting Both sides
Adjacent Land Use Residential

Field Study By AM **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

102

STREET Hollenbeck Street **CERTIFICATION DATE** 10/5/2017
FROM Vine Avenue **TO** Merced Avenue

SPEED FACTORS

Date of Speed Survey	1/31/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:50AM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	Closest to 85th Speed	
85th Percentile Speed	42 mph		
Average Speed	37 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	68	Recommended Speed Limit	40 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

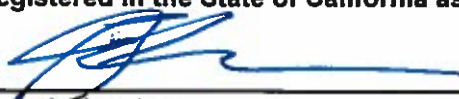
Average Daily Traffic	10,889	Date Counted	1/26/2017
Number of Lanes	4		
Type of Traffic Control	Stop @ Merced, Vine		
Crosswalks?	@ Stop		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	West side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM **Checked By** NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


 Jeffrey Lau

10/5/2017
 Date

CE 83887
 State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

104

STREET Holt Avenue **CERTIFICATION DATE** 10/5/2017
FROM Grand Avenue **TO** East City Limits

SPEED FACTORS

Date of Speed Survey	2/2/2017	Posted Speed Limit	40 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	40 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	40 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	73	Recommended Speed Limit	40 mph
Number of Survey Samples	252		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.15	Collisions/MVM

TRAFFIC FACTORS

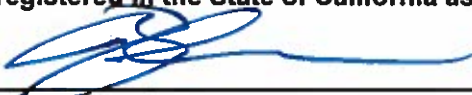
Average Daily Traffic	11,467	Date Counted	1/25/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Grand		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.530	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	South side	
Adjacent Land Use	Residential	

Field Study By AM **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

105

STREET La Puente Road **CERTIFICATION DATE** 10/5/2017
FROM Nogales Street **TO** Sentous Avenue

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:42AM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Closest to 85th Speed	
85th Percentile Speed	47 mph		
Average Speed	41 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	70	Recommended Speed Limit	45 mph
Number of Survey Samples	239		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.35	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	13,280	Date Counted	2/22/2017
Number of Lanes	4, bike lanes		
Type of Traffic Control	TS @ Sentous, Nogales		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	South side		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.390	miles
Width	66	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

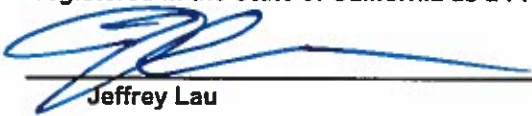
Reviewed By: Los Angeles County

Lee Miller 10/23/2017

Lee Miller Date

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

106

STREET La Puente Road **CERTIFICATION DATE** 10/5/2017
FROM Sentous Avenue **TO** East City Limits

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	45 mph
Time of Speed Survey	11:15AM	Speed Justification	
50th Percentile Speed (Mean Speed)	42 mph	California MUTCD Option 2	
85th Percentile Speed	48 mph		
Average Speed	42 mph		
10 mph Pace Speed	38-47		
Percentage of Vehicles in Pace	57	Recommended Speed Limit	45 mph
Number of Survey Samples	268		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	1.92	Collisions/MVM
Collisions per Million Vehicle Miles	0.10	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	13,414	Date Counted	2/22/2017
Number of Lanes	4, bike lanes		
Type of Traffic Control	TS @ Sentous		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	South side		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.680	miles
Width	66	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

107

STREET Lakes Drive (E-W) **CERTIFICATION DATE** 10/5/2017
FROM Vincent Avenue **TO** Lakes Drive (N-S)

SPEED FACTORS

Date of Speed Survey	4/3/2017	Posted Speed Limit	NP mph
Time of Speed Survey	3:28PM	Speed Justification	
50th Percentile Speed (Mean Speed)	25 mph	California MUTCD Option 2	
85th Percentile Speed	29 mph		
Average Speed	25 mph		
10 mph Pace Speed	20-29		
Percentage of Vehicles in Pace	78	Recommended Speed Limit	25 mph
Number of Survey Samples	230		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	10,381	Date Counted	4/4/2017
Number of Lanes	4, two way left turn lane		
Type of Traffic Control	TS @ Vincent, Stop @ Lakes Dr		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.130	miles
Width	64	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Commercial, residential	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

108

STREET Lakes Drive (N-S) **CERTIFICATION DATE** 10/5/2017
FROM Lakes Drive (E-W) **TO** Glendora Avenue

SPEED FACTORS

Date of Speed Survey	4/3/2017	Posted Speed Limit	NP mph
Time of Speed Survey	2:43PM	Speed Justification	
50th Percentile Speed (Mean Speed)	23 mph	Closest to 85th Speed	
85th Percentile Speed	26 mph		
Average Speed	23 mph		
10 mph Pace Speed	17-26		
Percentage of Vehicles in Pace	90	Recommended Speed Limit	25 mph
Number of Survey Samples	214		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	7,416	Date Counted	4/4/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Glendora, Stop @ Lakes Dr		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides, few		

ROADWAY FACTORS

Length of Segment	0.090	miles
Width	33	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Commercial, residential	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017

Date

CE 83887

State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

109

STREET	Lark Ellen Avenue	CERTIFICATION DATE	10/5/2017
FROM	San Bernardino Road	TO	Puente Avenue

SPEED FACTORS

Date of Speed Survey	1/18/2017	Posted Speed Limit	40 mph
Time of Speed Survey	1:10PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	40 mph
Number of Survey Samples	215		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.30	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	16,673	Date Counted	2/2/2017
Number of Lanes	4		
Type of Traffic Control	TS @ San Bernardino, Badillo, Puente		
Crosswalks?	@ TS, Grove Center		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.370	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, church, school	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

110

STREET Lark Ellen Avenue
FROM Puente Avenue

CERTIFICATION DATE 10/5/2017
TO Rowland Avenue

SPEED FACTORS

Date of Speed Survey	1/18/2017	Posted Speed Limit	40 mph
Time of Speed Survey	1:50PM	Speed Justification	
50th Percentile Speed (Mean Speed)	40 mph	Moderate Pedestrian Traffic, Uniformity Among Adjacent Segments	
85th Percentile Speed	46 mph		
Average Speed	40 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	69	Recommended Speed Limit	40 mph
Number of Survey Samples	212		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.59	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	20,244	Date Counted	2/2/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Puente, Rowland		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	West side		

ROADWAY FACTORS

Length of Segment	0.230	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, school, park	

Field Study By	JD	Checked By	NS
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CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).



Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Lark Ellen Avenue **CERTIFICATION DATE** 10/5/2017
FROM Rowland Avenue **TO** Workman Avenue

SPEED FACTORS

Date of Speed Survey	1/18/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:31PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	36 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	75	Recommended Speed Limit	40 mph
Number of Survey Samples	238		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	17,300	Date Counted	1/31/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Rowland, Workman		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	West side		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By **JD** Checked By **NS**

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 Jeffrey Lau	10/5/2017 Date	CE 83887 State Registration Number
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CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

112

STREET	Lark Ellen Avenue	CERTIFICATION DATE	10/5/2017
FROM	Workman Avenue	TO	Garvey Avenue South

SPEED FACTORS

Date of Speed Survey	1/18/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:14PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	38 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	63	Recommended Speed Limit	40 mph
Number of Survey Samples	217		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.16	Collisions/MVM	

TRAFFIC FACTORS

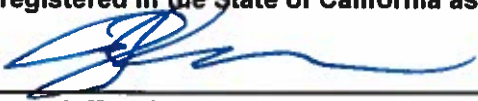
Average Daily Traffic	20,706	Date Counted	1/31/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Workman, Garvey Ave S		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	West side		

ROADWAY FACTORS

Length of Segment	0.270	miles	
Width	60	feet	
Vertical Curve?	Yes		
Horizontal Curve?	None		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential		

Field Study By	JD	Checked By	NS
----------------	----	------------	----

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	10/5/2017	CE 83887
Jeffrey Lau	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

114

STREET Lark Ellen Avenue **CERTIFICATION DATE** 10/5/2017
FROM Cameron Avenue **TO** Vine Avenue

SPEED FACTORS

Date of Speed Survey	2/2/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:40PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Closest to 85th Speed	
85th Percentile Speed	40 mph		
Average Speed	35 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	73	Recommended Speed Limit	40 mph
Number of Survey Samples	222		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	12,978	Date Counted	1/31/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Cameron, Stop @ Vine		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	East side	
Adjacent Land Use	Residential	

Field Study By JD Checked By NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

116

STREET Lark Ellen Avenue **CERTIFICATION DATE** 10/5/2017
FROM Maplegrove Street **TO** Fairgrove Avenue

SPEED FACTORS

Date of Speed Survey	2/9/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:06AM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	36 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	65	Recommended Speed Limit	40 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.04 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	6,877	Date Counted	1/31/2017
Number of Lanes	4		
Type of Traffic Control	Stop @ Fairgrove, Maplegrove		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.310 miles
Width	60 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By AM **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

117

STREET Lark Ellen Avenue
FROM Fairgrove Avenue

CERTIFICATION DATE 10/5/2017
TO Amar Road

SPEED FACTORS

Date of Speed Survey	2/9/2017	Posted Speed Limit	40 mph
Time of Speed Survey	10:26AM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	38 mph		
10 mph Pace Speed	35-44		
Percentage of Vehicles in Pace	66	Recommended Speed Limit	40 mph
Number of Survey Samples	209		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	1.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	8,337	Date Counted	1/31/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Amar, Stop @ Fairgrove		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	East side		
Sidewalks?	Both sides		
Driveways?	Both sides, few		

ROADWAY FACTORS

Length of Segment	0.330	miles
Width	61	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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10/5/2017
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET	Merced Avenue	CERTIFICATION DATE	10/5/2017
FROM	West City Limits	TO	Orange Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	40 mph
Time of Speed Survey	12:42PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	40 mph
Number of Survey Samples	214		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.68	Collisions/MVM

TRAFFIC FACTORS

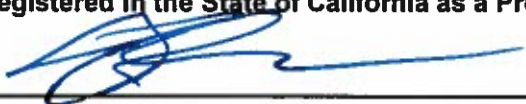
Average Daily Traffic	9,814	Date Counted	2/22/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Orange, Stop @ Willow, Garvey Ave S		
Crosswalks?	@ TS, Willow		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.550	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By	JD	Checked By	NS
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Jeffrey Lau

10/5/2017

Date

CE 83887

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Merced Avenue
FROM Orange Avenue
CERTIFICATION DATE 10/5/2017
TO Sunset Avenue

SPEED FACTORS

Date of Speed Survey 1/26/2017 Posted Speed Limit 40 mph
Time of Speed Survey 1:15PM Speed Justification
50th Percentile Speed (Mean Speed) 37 mph Closest to 85th Speed
85th Percentile Speed 42 mph
Average Speed 37 mph
10 mph Pace Speed 33-42
Percentage of Vehicles in Pace 80 Recommended Speed Limit 40 mph
Number of Survey Samples 207

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 3
Statewide Average Collision Rate 2.04 Collisions/MVM
Collisions per Million Vehicle Miles 0.57 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic 13,762 Date Counted 2/22/2017
Number of Lanes 4, two way left turn lane
Type of Traffic Control TS @ Sunset, Orange
Crosswalks? @ TS, school midblock x-walk
Pedestrian Traffic Moderate
Truck Traffic Light
On-Street Parking On south side
Sidewalks? Both sides
Driveways? Both sides

ROADWAY FACTORS

Length of Segment 0.350 miles
Width 60 feet
Vertical Curve? None
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting Both sides
Adjacent Land Use School, commercial, park, residential

Field Study By JD Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Merced Avenue **CERTIFICATION DATE** 10/5/2017
FROM California Avenue **TO** Glendora Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:30PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	71	Recommended Speed Limit	40 mph
Number of Survey Samples	220		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.31	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	13,555	Date Counted	2/22/2017
Number of Lanes	4		
Type of Traffic Control	TS @ California, Glendora		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.220	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By JD Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

123

STREET	Merced Avenue	CERTIFICATION DATE	10/5/2017
FROM	Walnut Avenue	TO	Valinda Avenue

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	10:10AM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	70	Recommended Speed Limit	40 mph
Number of Survey Samples	219		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.19	Collisions/MVM	

TRAFFIC FACTORS

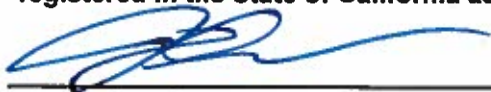
Average Daily Traffic	9,612	Date Counted	2/22/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Valinda, Stop @ Walnut		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.490	miles	
Width	60	feet	
Vertical Curve?	None		
Horizontal Curve?	None		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential, park		

Field Study By JD Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

124

STREET Merced Avenue **CERTIFICATION DATE** 10/5/2017
FROM Valinda Avenue **TO** Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	9:35AM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Moderate Pedestrian Traffic, Adj	
85th Percentile Speed	47 mph	Segment Uniformity	
Average Speed	41 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	40 mph
Number of Survey Samples	212		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	4		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.88	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	8,658	Date Counted	2/22/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Valinda, Stop @ Lark Ellen		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.480	miles	
Width	60	feet	
Vertical Curve?	None		
Horizontal Curve?	None		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential		

Field Study By JD **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

125

STREET Merced Avenue **CERTIFICATION DATE** 10/5/2017
FROM Lark Ellen Avenue **TO** Azusa Avenue

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	39 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	39 mph		
10 mph Pace Speed	35-44		
Percentage of Vehicles in Pace	70	Recommended Speed Limit	40 mph
Number of Survey Samples	221		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.47	Collisions/MVM

TRAFFIC FACTORS

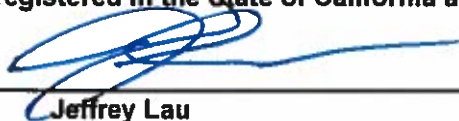
Average Daily Traffic	7,985	Date Counted	2/22/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Azusa, Stop @ Lark Ellen		
Crosswalks?	@ TS, Stop, Butterfield		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	School, residential, church	

Field Study By JD **Checked By** NS

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10/5/2017
Date

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State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

126

STREET Merced Avenue
FROM Azusa Avenue

CERTIFICATION DATE 10/5/2017
TO Hollenbeck Street

SPEED FACTORS

Date of Speed Survey	3/28/2017	Posted Speed Limit	25 mph
Time of Speed Survey	11:30AM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	Moderate Pedestrian Traffic,	
85th Percentile Speed	40 mph	Uncontrolled X-Walk	
Average Speed	34 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	68	Recommended Speed Limit	35 mph
Number of Survey Samples	245		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.75	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	7,487	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Azusa, Stop @ Hollenbeck		
Crosswalks?	@ TS, Stop, Michelle		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides, South side w/o Michelle		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	School, residential	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

127

STREET Morgan Field Avenue
FROM Hollingsworth Street

CERTIFICATION DATE 10/5/2017
TO Valley Boulevard

SPEED FACTORS

Date of Speed Survey	3/22/2017	Posted Speed Limit	25 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Hidden Driveways	
85th Percentile Speed	36 mph		
Average Speed	31 mph		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	75	Recommended Speed Limit	30 mph
Number of Survey Samples	183		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	1,943	Date Counted	4/13/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Valley, Hollingsworth		
Crosswalks?	@ Hollingsworth		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.330	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	East side	
Adjacent Land Use	Residential	

Field Study By AM

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

129

STREET Nogales Street **CERTIFICATION DATE** 10/5/2017
FROM Shadow Oak Drive **TO** La Puente Road

SPEED FACTORS

Date of Speed Survey	3/22/2017	Posted Speed Limit	50 mph
Time of Speed Survey	11:30AM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Closest to 85th Speed	
85th Percentile Speed	47 mph		
Average Speed	41 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	60	Recommended Speed Limit	45 mph
Number of Survey Samples	227		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	3
Statewide Average Collision Rate	1.45 Collisions/MVM
Collisions per Million Vehicle Miles	0.13 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	28,018	Date Counted	4/13/2017
Number of Lanes	4, raised median, bike lanes		
Type of Traffic Control	TS @ La Puente, Amanda, Shakespeare, Shadow Oak		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.740 miles
Width	82 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential, commercial, school

Reviewed By: Los Angeles County

Lee Miller 10/23/2017

Lee Miller Date

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

	10/5/2017	CE 83887
Jeffrey Lau	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

130

STREET Nogales Street CERTIFICATION DATE 10/5/2017
FROM La Puente Road TO Valley Boulevard

SPEED FACTORS

Date of Speed Survey 3/22/2017 Posted Speed Limit 40 mph
Time of Speed Survey 11:07AM Speed Justification
50th Percentile Speed (Mean Speed) 36 mph Closest to 85th Speed
85th Percentile Speed 42 mph
Average Speed 36 mph
10 mph Pace Speed 31-40
Percentage of Vehicles in Pace 66 Recommended Speed Limit 40 mph
Number of Survey Samples 226

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 0
Statewide Average Collision Rate 1.48 Collisions/MVM
Collisions per Million Vehicle Miles 0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic 34,059 Date Counted 4/13/2017
Number of Lanes 5-6, raised and painted median
Type of Traffic Control TS @ La Puente, Northam, Valley
Crosswalks? @ TS
Pedestrian Traffic Moderate
Truck Traffic Moderate
On-Street Parking West side, La Puente to Fenmead
Sidewalks? Both sides
Driveways? Both sides, many

ROADWAY FACTORS


Length of Segment 0.480 miles
Width 82 feet
Vertical Curve? Yes
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting Both sides
Adjacent Land Use Residential, commercial, school

Reviewed By: Los Angeles County

Lee Miller 10/23/2017
Lee Miller Date

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

131

STREET Norma Avenue **CERTIFICATION DATE** 10/5/2017
FROM Calvado Avenue **TO** Citrus Street

SPEED FACTORS

Date of Speed Survey	3/27/2017	Posted Speed Limit	25 mph
Time of Speed Survey	12:28PM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Hidden Driveways	
85th Percentile Speed	36 mph		
Average Speed	31 mph		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	77	Recommended Speed Limit	30 mph
Number of Survey Samples	253		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	1
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	1.36 Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	4,469	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Citrus		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	South side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.150 miles
Width	40 feet
Vertical Curve?	None
Horizontal Curve?	Yes
Visibility	Fair
Roadway Conditions	Good
Lighting	South side
Adjacent Land Use	Residential

Field Study By AM Checked By NS

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	10/5/2017	CE 83887
Jeffrey Lau	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Orange Avenue
FROM Cameron Avenue

CERTIFICATION DATE 10/5/2017
TO Merced Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	35 mph
Time of Speed Survey	12:11PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	68	Recommended Speed Limit	40 mph
Number of Survey Samples	227		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	1
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.16 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	11,292	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Cameron, Merced		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		


ROADWAY FACTORS

Length of Segment	0.510 miles
Width	45 feet
Vertical Curve?	Yes
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	East side
Adjacent Land Use	Residential, commercial

Field Study By JD

Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

136

STREET Orange Avenue
FROM Merced Avenue

CERTIFICATION DATE 10/5/2017
TO Francisquito Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:50PM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	California MUTCD Option 2	
85th Percentile Speed	38 mph		
Average Speed	34 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	81	Recommended Speed Limit	35 mph
Number of Survey Samples	219		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.81	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	6,656	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Merced, Francisquito, Stop @ Yarnell		
Crosswalks?	@ TS, Stop, Glenmere		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both Sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.680	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, church, school	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

137

STREET	Orange Avenue	CERTIFICATION DATE	10/5/2017
FROM	Francisquito Avenue	TO	Fairgrove Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	35 mph
Time of Speed Survey	2:20PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Moderate Pedestrian Traffic,	
85th Percentile Speed	40 mph	Uncontrolled X-Walk	
Average Speed	35 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	35 mph
Number of Survey Samples	219		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	7,250	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Francisquito, Stop @ Fairgrove		
Crosswalks?	@ TS, Stop, Delvale		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.420	miles	
Width	40	feet	
Vertical Curve?	None		
Horizontal Curve?	None		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	School, residential, commercial		

Reviewed By: Los Angeles County

10/23/2017
 Lee Miller Date

Field Study By **JD** Checked By **NS**

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA

ENGINEERING AND TRAFFIC SURVEY

138

STREET	Pacific Avenue	CERTIFICATION DATE	10/5/2017
FROM	Ardilla Avenue	TO	Cameron Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	40 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Hidden Driveways	
85th Percentile Speed	46 mph		
Average Speed	41 mph		
10 mph Pace Speed	36-45		
Percentage of Vehicles in Pace	73	Recommended Speed Limit	40 mph
Number of Survey Samples	262		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	22,502	Date Counted	2/9/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Cameron, Bromley		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.270	miles
Width	65	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	South side	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

139

STREET	Pacific Avenue	CERTIFICATION DATE	10/5/2017
FROM	Cameron Avenue	TO	Garvey Avenue South

SPEED FACTORS

Date of Speed Survey	3/23/2017	Posted Speed Limit	35 mph
Time of Speed Survey	10:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	California MUTCD Option 2	
85th Percentile Speed	38 mph		
Average Speed	31 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	58	Recommended Speed Limit	35 mph
Number of Survey Samples	225		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.55	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	22,043	Date Counted	7/31/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Cameron, Garvey Ave N, Garvey Ave S		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Moderate		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.300	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Fair	
Lighting	Both sides	
Adjacent Land Use	Commercial, residential	

Field Study By	AM	Checked By	NS
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	10/5/2017	CE 83887
Jeffrey Lau	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

140

STREET Pass and Covina Road **CERTIFICATION DATE** 10/5/2017
FROM Maple Grove Street **TO** Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	3/30/2017	Posted Speed Limit	NP mph
Time of Speed Survey	12:20PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	Closest to 85th Speed	
85th Percentile Speed	42 mph		
Average Speed	37 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	71	Recommended Speed Limit	40 mph
Number of Survey Samples	144		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	3,985	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Lark Ellen, Maplegrove		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	East side		
Sidewalks?	Both sides, varies		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.310	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

141

STREET Plaza Drive **CERTIFICATION DATE** 10/5/2017
FROM California Avenue **TO** Vincent Avenue

SPEED FACTORS

Date of Speed Survey	4/4/2017	Posted Speed Limit	NP mph
Time of Speed Survey	12:40PM	Speed Justification	
50th Percentile Speed (Mean Speed)	20 mph	Closest to 85th Speed	
85th Percentile Speed	23 mph		
Average Speed	20 mph		
10 mph Pace Speed	16-25		
Percentage of Vehicles in Pace	91	Recommended Speed Limit	25 mph
Number of Survey Samples	206		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	1.48	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	16,626	Date Counted	4/4/2017
Number of Lanes	6, raised median (2 WB)		
Type of Traffic Control	TS @ Vincent, California		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	1 on North side		

ROADWAY FACTORS

Length of Segment	0.050	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Commercial	

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

Jeffrey Lau

10/5/2017
 Date

CE 83887
 State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

143

STREET	Puente Avenue	CERTIFICATION DATE	10/5/2017
FROM	Sunset Avenue	TO	Vincent Avenue

SPEED FACTORS

Date of Speed Survey	3/24/2017	Posted Speed Limit	40 mph
Time of Speed Survey	12:21PM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Hidden Driveways, Adj Segment	
85th Percentile Speed	46 mph	Uniformity	
Average Speed	41 mph		
10 mph Pace Speed	38-47		
Percentage of Vehicles in Pace	78	Recommended Speed Limit	40 mph
Number of Survey Samples	218		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.17	Collisions/MVM	

TRAFFIC FACTORS

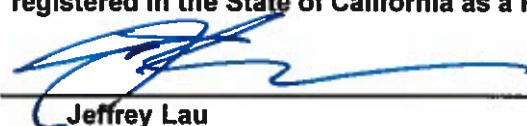
Average Daily Traffic	11,090	Date Counted	3/30/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Sunset, Vincent		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	61	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By	AM	Checked By	NS
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CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).



Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

144

STREET	Puente Avenue	CERTIFICATION DATE	10/5/2017
FROM	Vincent Avenue	TO	Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	3/24/2017	Posted Speed Limit	40 mph
Time of Speed Survey	12:55PM	Speed Justification	
50th Percentile Speed (Mean Speed)	41 mph	Hidden Driveways, Adj Segment Uniformity	
85th Percentile Speed	47 mph		
Average Speed	41 mph		
10 mph Pace Speed	37-46		
Percentage of Vehicles in Pace	65	Recommended Speed Limit	40 mph
Number of Survey Samples	209		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	2		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.23	Collisions/MVM	

TRAFFIC FACTORS


Average Daily Traffic	16,160	Date Counted	3/30/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Vincent, Lark Ellen		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.500	miles	
Width	61	feet	
Vertical Curve?	None		
Horizontal Curve?	Yes		
Visibility	Fair		
Roadway Conditions	Good		
Lighting	North side		
Adjacent Land Use	Residential, park		

Field Study By	AM	Checked By	NS
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CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

 Jeffrey Lau	10/5/2017 Date	CE 83887 State Registration Number
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

146

STREET Puente Avenue CERTIFICATION DATE 10/5/2017
FROM Azusa Avenue TO East City Limits

SPEED FACTORS

Date of Speed Survey 3/24/2017 Posted Speed Limit 40 mph
Time of Speed Survey 2:00PM Speed Justification
50th Percentile Speed (Mean Speed) 38 mph California MUTCD Option 2
85th Percentile Speed 44 mph
Average Speed 37 mph
10 mph Pace Speed 34-43
Percentage of Vehicles in Pace 62 Recommended Speed Limit 40 mph
Number of Survey Samples 210

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 1
Statewide Average Collision Rate 2.21 Collisions/MVM
Collisions per Million Vehicle Miles 0.37 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic 10,352 Date Counted 3/30/2017
Number of Lanes 2
Type of Traffic Control TS @ Azusa
Crosswalks? @ TS
Pedestrian Traffic Light
Truck Traffic Light
On-Street Parking Both sides
Sidewalks? North side
Driveways? Both sides, many

ROADWAY FACTORS

Length of Segment 0.240 miles
Width 44 feet
Vertical Curve? None
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting South side
Adjacent Land Use Residential, commercial

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET	Rowland Avenue	CERTIFICATION DATE	10/5/2017
FROM	Sunset Avenue	TO	Vincent Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	35 mph
Time of Speed Survey	10:15AM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Hidden Driveways, Uncontrolled X-Walk	
85th Percentile Speed	40 mph		
Average Speed	36 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	79	Recommended Speed Limit	35 mph
Number of Survey Samples	217		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	1
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.49 Collisions/MVM

TRAFFIC FACTORS

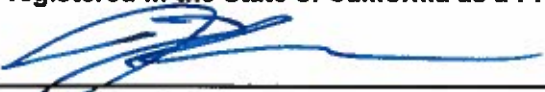
Average Daily Traffic	3,732	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Vincent, Stop @ Sunset		
Crosswalks?	@ TS, Stop, Hartley		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.500 miles
Width	40 feet
Vertical Curve?	None
Horizontal Curve?	Yes
Visibility	Fair
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By	AM	Checked By	NS
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 Jeffrey Lau

10/5/2017
 Date

CE 83887
 State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

148

STREET Rowland Avenue **CERTIFICATION DATE** 10/5/2017
FROM Vincent Avenue **TO** Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	35 mph
Time of Speed Survey	11:15AM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Hidden Driveways, Uncontrolled X-Walk, Moderate Pedestrian Traffic	
85th Percentile Speed	40 mph		
Average Speed	36 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	81	Recommended Speed Limit	35 mph
Number of Survey Samples	218		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.46	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	7,661	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Vincent, Lark Ellen		
Crosswalks?	@ TS, Astell		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.520	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, school	

Field Study By AM

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

149

STREET Rowland Avenue **CERTIFICATION DATE** 10/5/2017
FROM Lark Ellen Avenue **TO** Azusa Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	35 mph
Time of Speed Survey	12:17PM	Speed Justification	
50th Percentile Speed (Mean Speed)	40 mph	Hidden Driveways	
85th Percentile Speed	45 mph		
Average Speed	40 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	40 mph
Number of Survey Samples	227		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	5	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.81	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	11,544	Date Counted	2/9/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Lark Ellen, Azusa		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, adult school	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

150

STREET Rowland Avenue **CERTIFICATION DATE** 10/5/2017
FROM Azusa Avenue **TO** East City Limits

SPEED FACTORS

Date of Speed Survey	1/24/2017	Posted Speed Limit	NP mph
Time of Speed Survey	10:53AM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	35 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	35 mph
Number of Survey Samples	205		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.55	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	13,933	Date Counted	2/9/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Azusa		
Crosswalks?	@ TS, Neil		
Pedestrian Traffic	Heavy		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	77	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Commercial, residential, school	

Field Study By AM **Checked By** NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

151

STREET San Bernardino Road **CERTIFICATION DATE** 10/5/2017
FROM West City Limits **TO** Orange Avenue

SPEED FACTORS

Date of Speed Survey	3/24/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:34AM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	32 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	61	Recommended Speed Limit	35 mph
Number of Survey Samples	212		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.59	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	16,158	Date Counted	3/29/2017
Number of Lanes	4, two way left turn lane		
Type of Traffic Control	TS @ Orange, Azusa Canyon		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.190	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

 Jeffrey Lau	10/5/2017 Date	CE 83887 State Registration Number
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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

152

STREET Sentous Avenue **CERTIFICATION DATE** 10/5/2017
FROM La Puente Road **TO** Hollingworth Street

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	35 mph
Time of Speed Survey	10:20AM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	Hidden Driveways, Uniformity Among	
85th Percentile Speed	40 mph	Adjacent Segments	
Average Speed	34 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	61	Recommended Speed Limit	35 mph
Number of Survey Samples	209		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.71	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	4,292	Date Counted	2/22/2017
Number of Lanes	2		
Type of Traffic Control	TS @ La Puente, Stop @ Hollingsworth		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.300	miles
Width	50	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, school	

Reviewed By: Los Angeles County

Lee Miller 10/23/2017

Lee Miller

Date

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

153

STREET Sentous Avenue **CERTIFICATION DATE** 10/5/2017
FROM Hollingworth Street **TO** Valley Boulevard

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:25AM	Speed Justification	
50th Percentile Speed (Mean Speed)	29 mph	Closest to 85th Speed	
85th Percentile Speed	33 mph		
Average Speed	29 mph		
10 mph Pace Speed	23-32		
Percentage of Vehicles in Pace	78	Recommended Speed Limit	35 mph
Number of Survey Samples	217		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	1.04	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	5,302	Date Counted	2/22/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Valley, Stop @ Hollingsworth		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

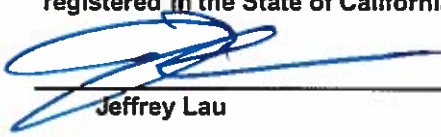
Length of Segment	0.330	miles
Width	64	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Reviewed By: Los Angeles County

 10/29/2017
Lee Miller Date

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

154

STREET Shadow Oak Drive **CERTIFICATION DATE** 10/5/2017
FROM Amar Road **TO** Woodgate Drive

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:00PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Closest to 85th Speed	
85th Percentile Speed	39 mph		
Average Speed	35 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	81	Recommended Speed Limit	40 mph
Number of Survey Samples	219		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.04 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	8,712	Date Counted	2/28/2017
Number of Lanes	4, painted median, bike lanes		
Type of Traffic Control	TS @ Amar, Stop @ Woodgate		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.200 miles
Width	61 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By AM

Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

STREET	Shadow Oak Drive	CERTIFICATION DATE	10/5/2017
FROM	Woodgate Drive	TO	Gemini Street

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:30PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	36 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	40 mph
Number of Survey Samples	234		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	1
Statewide Average Collision Rate	2.04 Collisions/MVM
Collisions per Million Vehicle Miles	0.35 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	8,223	Date Counted	2/28/2017
Number of Lanes	4, painted median, bike lanes		
Type of Traffic Control	Stop @ Woodgate, Gemini		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	1, North Side		

ROADWAY FACTORS

Length of Segment	0.320 miles
Width	61 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).

 Jeffrey Lau	10/5/2017 Date	CE 83887 State Registration Number
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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

STREET Shadow Oak Drive **CERTIFICATION DATE** 10/5/2017
FROM Gemini Street **TO** Nogales Street

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	40 mph
Time of Speed Survey	1:57PM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	Closest to 85th Speed	
85th Percentile Speed	40 mph		
Average Speed	34 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	69	Recommended Speed Limit	40 mph
Number of Survey Samples	216		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.88	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	5,601	Date Counted	2/28/2017
Number of Lanes	4, painted median, bike lanes		
Type of Traffic Control	TS @ Nogales, Stop @ Gemini		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides, few		

ROADWAY FACTORS

Length of Segment	0.740	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, park	

Field Study By AM **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

157

STREET Shakespeare Drive **CERTIFICATION DATE** 10/5/2017
FROM Shadow Oak Drive **TO** Tuesday Drive

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:00PM	Speed Justification	
50th Percentile Speed (Mean Speed)	29 mph	Closest to 85th Speed	
85th Percentile Speed	34 mph		
Average Speed	29 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	66	Recommended Speed Limit	35 mph
Number of Survey Samples	218		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	2,264	Date Counted	2/22/2017
Number of Lanes	2, raised median		
Type of Traffic Control	Stop @ Shadow Oak		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.260	miles
Width	57	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).



Jeffrey Lau	10/5/2017	CE 83887
	Date	State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET	Shakespeare Drive	CERTIFICATION DATE	10/5/2017
FROM	Tuesday Drive	TO	Nogales Street

SPEED FACTORS

Date of Speed Survey	1/30/2017	Posted Speed Limit	35 mph
Time of Speed Survey	12:10PM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	Closest to 85th Speed	
85th Percentile Speed	36 mph		
Average Speed	32 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	35 mph
Number of Survey Samples	212		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	4,752	Date Counted	2/22/2017
Number of Lanes	2, raised median		
Type of Traffic Control	TS @ Nogales		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	1, North side		

ROADWAY FACTORS

Length of Segment	0.400	miles	
Width	54	feet	
Vertical Curve?	Yes		
Horizontal Curve?	Yes		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential, commercial		

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
 Date

CE 83887
 State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

STREET Stephanie Drive **CERTIFICATION DATE** 10/5/2017
FROM Tuesday Drive **TO** Shadow Oak Drive

SPEED FACTORS

Date of Speed Survey	3/22/2017	Posted Speed Limit	NP mph
Time of Speed Survey	2:20PM	Speed Justification	
50th Percentile Speed (Mean Speed)	27 mph	Closest to 85th Speed	
85th Percentile Speed	31 mph		
Average Speed	27 mph		
10 mph Pace Speed	23-32		
Percentage of Vehicles in Pace	88	Recommended Speed Limit	30 mph
Number of Survey Samples	83		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	1.84	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	1,553	Date Counted	4/13/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Shadow Oak		
Crosswalks?	None		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.320	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM **Checked By** NS

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Jeffrey Lau

10/5/2017
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CE 83887
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

160

STREET	Sunset Avenue	CERTIFICATION DATE	10/5/2017
FROM	North City Limits	TO	Puente Avenue

SPEED FACTORS

Date of Speed Survey	3/24/2017	Posted Speed Limit	40 mph
Time of Speed Survey	10:15AM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	Closest to 85th Speed	
85th Percentile Speed	42 mph		
Average Speed	37 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	40 mph
Number of Survey Samples	215		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	7	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.72	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	24,055	Date Counted	3/28/2017
Number of Lanes	4, raised and painted median		
Type of Traffic Control	TS @ Puente, Badillo		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.370	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, church	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

162

STREET Sunset Avenue **CERTIFICATION DATE** 10/5/2017
FROM Rowland Avenue **TO** Workman Avenue

SPEED FACTORS

Date of Speed Survey	3/24/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:10AM	Speed Justification	
50th Percentile Speed (Mean Speed)	37 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	37 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	75	Recommended Speed Limit	40 mph
Number of Survey Samples	206		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.64	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	23,819	Date Counted	3/28/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Workman		
Crosswalks?	@ TS, Rowland		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, park	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

163

STREET	Sunset Avenue	CERTIFICATION DATE	10/5/2017
FROM	Workman Avenue	TO	Cameron Avenue

SPEED FACTORS

Date of Speed Survey	3/20/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:48AM	Speed Justification	
50th Percentile Speed (Mean Speed)	33 mph	Closest to 85th Speed	
85th Percentile Speed	38 mph		
Average Speed	33 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	61	Recommended Speed Limit	40 mph
Number of Survey Samples	207		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	3
Statewide Average Collision Rate	2.22 Collisions/MVM
Collisions per Million Vehicle Miles	0.14 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	29,585	Date Counted	3/28/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS Workman, Garvey Ave N, Plaza, West Covina, Cameron		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

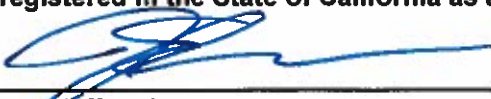
ROADWAY FACTORS

Length of Segment	0.660 miles
Width	80 feet
Vertical Curve?	Yes
Horizontal Curve?	Yes
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential, commercial, civic center

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

164

STREET Sunset Avenue **CERTIFICATION DATE** 10/5/2017
FROM Cameron Avenue **TO** Merced Avenue

SPEED FACTORS

Date of Speed Survey	3/20/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:25AM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Closest to 85th Speed	
85th Percentile Speed	39 mph		
Average Speed	35 mph		
10 mph Pace Speed	29-38		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	40 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	20		
Statewide Average Collision Rate	2.22	Collisions/MVM	
Collisions per Million Vehicle Miles	1.15	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	31,674	Date Counted	3/28/2017
Number of Lanes	4, raised median, bike lanes		
Type of Traffic Control	TS @ Merced, Vine, Cameron, fire station		
Crosswalks?	@ Merced, Vine, Cameron		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.500	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, hospital	

Field Study By JD Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Sunset Avenue **CERTIFICATION DATE** 10/5/2017
FROM Merced Avenue **TO** Francisquito Avenue

SPEED FACTORS

Date of Speed Survey	3/20/2017	Posted Speed Limit	40 mph
Time of Speed Survey	11:02AM	Speed Justification	
50th Percentile Speed (Mean Speed)	39 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	39 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	40 mph
Number of Survey Samples	208		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.19	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	28,981	Date Counted	3/28/2017
Number of Lanes	4, raised and painted median, bike lanes		
Type of Traffic Control	TS @ Merced, Durness, Francisquito		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.680	miles
Width	80	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By JD Checked By NS

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Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

166

STREET Sunset Avenue **CERTIFICATION DATE** 10/5/2017
FROM Francisquito Avenue **TO** South City Limits

SPEED FACTORS

Date of Speed Survey 3/20/2017 **Posted Speed Limit** 40 mph
Time of Speed Survey 10:37AM **Speed Justification**
50th Percentile Speed (Mean Speed) 38 mph California MUTCD Option 2
85th Percentile Speed 43 mph
Average Speed 38 mph
10 mph Pace Speed 33-42
Percentage of Vehicles in Pace 70 **Recommended Speed Limit** 40 mph
Number of Survey Samples 209

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 9
Statewide Average Collision Rate 2.22 Collisions/MVM
Collisions per Million Vehicle Miles 0.70 Collisions/MVM

TRAFFIC FACTORS

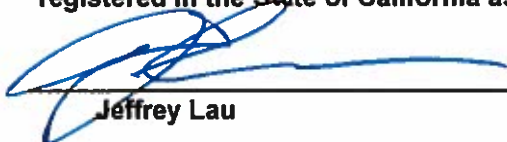
Average Daily Traffic 27,919 **Date Counted** 3/28/2017
Number of Lanes 4, raised and painted median, bike lanes
Type of Traffic Control TS @ Francisquito, Fairgrove
Crosswalks? @ TS
Pedestrian Traffic Light
Truck Traffic Light
On-Street Parking None
Sidewalks? Both sides
Driveways? Both sides

ROADWAY FACTORS

Length of Segment 0.420 miles
Width 80 feet
Vertical Curve? None
Horizontal Curve? None
Visibility Good
Roadway Conditions Good
Lighting Both sides
Adjacent Land Use Residential, commercial

Field Study By JD **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

167

STREET	Temple Avenue	CERTIFICATION DATE	10/5/2017
FROM	Amar Road	TO	South City Limits

SPEED FACTORS

Date of Speed Survey	2/9/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Closest to 85th Speed	
85th Percentile Speed	37 mph		
Average Speed	31 mph		
10 mph Pace Speed	28-37		
Percentage of Vehicles in Pace	57	Recommended Speed Limit	35 mph
Number of Survey Samples	215		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	1	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.14	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	11,519	Date Counted	2/28/2017
Number of Lanes	2, bike lane (East side)		
Type of Traffic Control	TS @ Amar, Stop @ Woodgate		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	West side		
Sidewalks?	Both sides		
Driveways?	West side		

ROADWAY FACTORS

Length of Segment	0.550	miles
Width	40	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Moderate	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By	AM	Checked By	NS
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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

169

STREET	Valinda Avenue	CERTIFICATION DATE	10/5/2017
FROM	Glendora Avenue	TO	Service Avenue

SPEED FACTORS

Date of Speed Survey	4/5/2017	Posted Speed Limit	NP mph
Time of Speed Survey	11:46AM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Closest to 85th Speed	
85th Percentile Speed	37 mph		
Average Speed	31 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	69	Recommended Speed Limit	35 mph
Number of Survey Samples	221		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	17,050	Date Counted	4/13/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Service, Glendora		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.140	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, church	

Field Study By	JD	Checked By	NS
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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

170

STREET Valinda Avenue **CERTIFICATION DATE** 10/5/2017
FROM Service Avenue **TO** Cameron Avenue

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:00PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	35-44		
Percentage of Vehicles in Pace	72	Recommended Speed Limit	40 mph
Number of Survey Samples	212		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	7	
Statewide Average Collision Rate	2.04	Collisions/MVM
Collisions per Million Vehicle Miles	1.54	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	17,281	Date Counted	2/2/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Cameron, Service		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	60	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By JD **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

171

STREET Valinda Avenue **CERTIFICATION DATE** 10/5/2017
FROM Cameron Avenue **TO** Vine Avenue

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:25PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	36 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	79	Recommended Speed Limit	40 mph
Number of Survey Samples	231		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.04 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

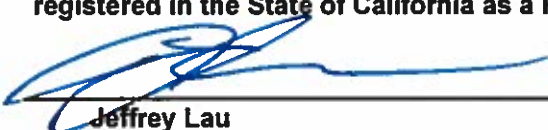
Average Daily Traffic	18,955	Date Counted	2/2/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Vine, Cameron		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.240 miles
Width	60 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By JD **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

172

STREET Valinda Avenue
FROM Vine Avenue

CERTIFICATION DATE 10/5/2017
TO South City Limits

SPEED FACTORS

Date of Speed Survey	2/1/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:50PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Closest to 85th Speed	
85th Percentile Speed	39 mph		
Average Speed	35 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	40 mph
Number of Survey Samples	238		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	6		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.82	Collisions/MVM	

TRAFFIC FACTORS


Average Daily Traffic	18,165	Date Counted	2/2/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Vine, Merced, Francisquito		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.370	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, school	

Field Study By JD **Checked By** NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

173

STREET	Valinda Avenue	CERTIFICATION DATE	10/5/2017
FROM	Maplegrove Street	TO	South City Limits

SPEED FACTORS

Date of Speed Survey	3/29/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:45PM	Speed Justification	
50th Percentile Speed (Mean Speed)	39 mph	California MUTCD Option 2	
85th Percentile Speed	44 mph		
Average Speed	39 mph		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	69	Recommended Speed Limit	40 mph
Number of Survey Samples	208		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	25,371	Date Counted	4/13/2017
Number of Lanes	4, painted median, bike lanes		
Type of Traffic Control	TS @ Maplegrove, Summer, Amar		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.580	miles	
Width	60	feet	
Vertical Curve?	Yes		
Horizontal Curve?	Yes		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential, commercial		

Reviewed By: Los Angeles County

<i>Lee Miller</i>	10/23/2017
Lee Miller	Date

Field Study By JD
Checked By NS

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Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

174

STREET Valley Boulevard
FROM West City Limits
CERTIFICATION DATE 10/5/2017
TO East City Limits

SPEED FACTORS

Date of Speed Survey 1/30/2017
Time of Speed Survey 9:00AM
50th Percentile Speed (Mean Speed) 42 mph
85th Percentile Speed 49 mph
Average Speed 42 mph
10 mph Pace Speed 40-49
Percentage of Vehicles in Pace 58
Number of Survey Samples 214
Posted Speed Limit 50 mph
Speed Justification Closest to 85th Speed
Recommended Speed Limit 50 mph

COLLISION HISTORY

Number of Years Studied 3 years
Total Collisions 15
Statewide Average Collision Rate 1.48 Collisions/MVM
Collisions per Million Vehicle Miles 0.37 Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic 33,464
Number of Lanes 6, raised median
Type of Traffic Control TS @ Sentous, Fairway, Nogales
Crosswalks? @ TS, Morganfield
Pedestrian Traffic Light
Truck Traffic Heavy
On-Street Parking None
Sidewalks? Both sides
Driveways? North side, many
Date Counted 2/22/2017

ROADWAY FACTORS

Length of Segment 1.110 miles
Width 88 feet
Vertical Curve? None
Horizontal Curve? Yes
Visibility Good
Roadway Conditions Good
Lighting Both sides
Adjacent Land Use Residential, commercial

Field Study By AM
Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).


Jeffrey Lau
10/5/2017
Date
CE 83887
State Registration Number

CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

175

STREET Vincent Avenue **CERTIFICATION DATE** 10/5/2017
FROM Badillo Street **TO** Puente Avenue

SPEED FACTORS

Date of Speed Survey	3/23/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:42PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	42 mph		
Average Speed	36 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	58	Recommended Speed Limit	40 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	0	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.00	Collisions/MVM

TRAFFIC FACTORS

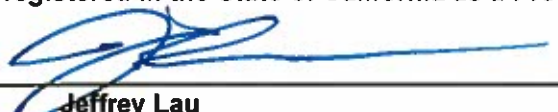
Average Daily Traffic	22,833	Date Counted	3/30/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Badillo, Puente		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	None		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	81	feet
Vertical Curve?	None	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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 10/5/2017 CE 83887
Jeffrey Lau Date State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

176

STREET	Vincent Avenue	CERTIFICATION DATE	10/5/2017
FROM	Puente Avenue	TO	Rowland Avenue

SPEED FACTORS

Date of Speed Survey	3/23/2017	Posted Speed Limit	40 mph
Time of Speed Survey	3:20PM	Speed Justification	
50th Percentile Speed (Mean Speed)	38 mph	California MUTCD Option 2	
85th Percentile Speed	43 mph		
Average Speed	38 mph		
10 mph Pace Speed	33-42		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	40 mph
Number of Survey Samples	216		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.22	Collisions/MVM	
Collisions per Million Vehicle Miles	0.16	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	23,755	Date Counted	3/30/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Puente, Rowland		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.240	miles
Width	81	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential	

Field Study By	AM	Checked By	NS
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Jeffrey Lau

10/5/2017
Date

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State Registration Number

CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

177

STREET Vincent Avenue **CERTIFICATION DATE** 10/5/2017
FROM Rowland Avenue **TO** Workman Avenue

SPEED FACTORS

Date of Speed Survey	3/23/2017	Posted Speed Limit	40 mph
Time of Speed Survey	2:57PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Closest to 85th Speed	
85th Percentile Speed	41 mph		
Average Speed	36 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	76	Recommended Speed Limit	40 mph
Number of Survey Samples	221		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.22	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS


Average Daily Traffic	24,324	Date Counted	3/30/2017
Number of Lanes	4, raised median		
Type of Traffic Control	TS @ Rowland, Workman		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides, varies		
Sidewalks?	Both sides		
Driveways?	East side		

ROADWAY FACTORS

Length of Segment	0.240 miles
Width	81 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By AM Checked By NS

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 Jeffrey Lau	10/5/2017 Date	CE 83887 State Registration Number
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

178

STREET Vincent Avenue **CERTIFICATION DATE** 10/5/2017
FROM Workman Avenue **TO** Interstate 10

SPEED FACTORS

Date of Speed Survey	3/23/2017	Posted Speed Limit	35 mph
Time of Speed Survey	2:35PM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Closest to 85th Speed	
85th Percentile Speed	37 mph		
Average Speed	31 mph		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	65	Recommended Speed Limit	35 mph
Number of Survey Samples	216		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	1.48	Collisions/MVM
Collisions per Million Vehicle Miles	0.30	Collisions/MVM

TRAFFIC FACTORS


Average Daily Traffic	34,004	Date Counted	3/30/2017
Number of Lanes	5, raised median (2 NB)		
Type of Traffic Control	TS @ Workman, I10 Ramps		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	East side		

ROADWAY FACTORS

Length of Segment	0.270	miles
Width	81	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, school, commercial	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

STREET	Vincent Avenue	CERTIFICATION DATE	10/5/2017
FROM	Interstate 10	TO	Glendora Avenue

SPEED FACTORS

Date of Speed Survey	4/4/2017	Posted Speed Limit	35 mph
Time of Speed Survey	11:45AM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	34 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	35 mph
Number of Survey Samples	210		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	12
Statewide Average Collision Rate	1.48 Collisions/MVM
Collisions per Million Vehicle Miles	1.41 Collisions/MVM

TRAFFIC FACTORS

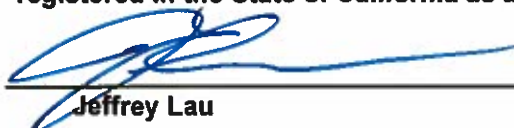
Average Daily Traffic	20,994	Date Counted	3/30/2017
Number of Lanes	6, raised median		
Type of Traffic Control	TS @ I10 Ramps, Lakes, West Covina Pkwy, Glendora		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides, varies		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.370 miles
Width	100 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Commercial

Field Study By	AM	Checked By	NS
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10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET Vine Avenue CERTIFICATION DATE 10/5/2017
FROM Valinda Avenue TO Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	4/6/2017	Posted Speed Limit	25 mph
Time of Speed Survey	10:20AM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	California MUTCD Option 2	
85th Percentile Speed	38 mph		
Average Speed	32 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	60	Recommended Speed Limit	35 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	2	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	0.86	Collisions/MVM

TRAFFIC FACTORS

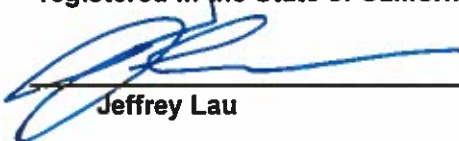
Average Daily Traffic	4,350	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Valinda, Stop @ Lark Ellen		
Crosswalks?	@ TS, Stop		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	South side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	South side	
Adjacent Land Use	Residential	

Field Study By AM Checked By NS

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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

STREET Vine Avenue
FROM Lark Ellen Avenue

CERTIFICATION DATE 10/5/2017
TO Azusa Avenue

SPEED FACTORS

Date of Speed Survey	4/6/2017	Posted Speed Limit	25 mph
Time of Speed Survey	11:40AM	Speed Justification	
50th Percentile Speed (Mean Speed)	32 mph	California MUTCD Option 2	
85th Percentile Speed	38 mph		
Average Speed	32 mph		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	64	Recommended Speed Limit	35 mph
Number of Survey Samples	219		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.48	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	3,867	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Azusa, Stop @ Lark Ellen		
Crosswalks?	@ TS, Stop, Glenview		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	South side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490	miles
Width	38	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	South side	
Adjacent Land Use	Residential	

Field Study By AM

Checked By NS

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CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

183

STREET Vine Avenue **CERTIFICATION DATE** 10/5/2017
FROM Azusa Avenue **TO** Hollenbeck Street

SPEED FACTORS

Date of Speed Survey	3/28/2017	Posted Speed Limit	25 mph
Time of Speed Survey	10:13AM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	34 mph		
10 mph Pace Speed	29-38		
Percentage of Vehicles in Pace	70	Recommended Speed Limit	35 mph
Number of Survey Samples	262		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	3,757	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Azusa, Stop @ Hollenbeck		
Crosswalks?	@ TS, Stop, Glen Alan		
Pedestrian Traffic	Heavy		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490 miles
Width	40 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential, school

Field Study By **AM** Checked By **NS**

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CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

184

STREET	Vine Avenue	CERTIFICATION DATE	10/5/2017
FROM	Hollenbeck Street	TO	Citrus Street

SPEED FACTORS

Date of Speed Survey	3/28/2017	Posted Speed Limit	25 mph
Time of Speed Survey	9:00AM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Uniformity Among Adjacent Segments,	
85th Percentile Speed	40 mph	Hidden Driveways	
Average Speed	35 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	71	Recommended Speed Limit	35 mph
Number of Survey Samples	230		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	0
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.00 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	4,345	Date Counted	4/11/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Hollenbeck, Citrus		
Crosswalks?	@ Hollenbeck		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490 miles
Width	40 feet
Vertical Curve?	Yes
Horizontal Curve?	None
Visibility	Fair
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Residential

Field Study By	AM	Checked By	NS
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

STREET	Wednesday Drive	CERTIFICATION DATE	10/5/2017
FROM	Giano Avenue	TO	Tuesday Drive

SPEED FACTORS

Date of Speed Survey	3/29/2017	Posted Speed Limit	NP mph
Time of Speed Survey	1:14PM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Uncontrolled X-walk, Uniformity of Adj Segments	
85th Percentile Speed	35 mph		
Average Speed	31 mph		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	80	Recommended Speed Limit	30 mph
Number of Survey Samples	107		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	0		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.00	Collisions/MVM	

TRAFFIC FACTORS

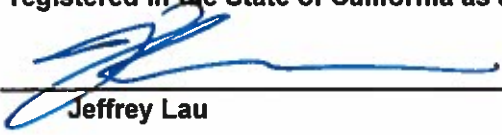
Average Daily Traffic	3,115	Date Counted	4/13/2017
Number of Lanes	2		
Type of Traffic Control	Stop @ Giano		
Crosswalks?	Midblock x-walk		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.370	miles	
Width	40	feet	
Vertical Curve?	Yes		
Horizontal Curve?	Yes		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Residential		

Field Study By	AM	Checked By	NS
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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

186

STREET West Covina Parkway **CERTIFICATION DATE** 10/5/2017
FROM Garvey Avenue North **TO** Sunset Avenue

SPEED FACTORS

Date of Speed Survey	1/26/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:32AM	Speed Justification	
50th Percentile Speed (Mean Speed)	33 mph	Closest to 85th Speed	
85th Percentile Speed	37 mph		
Average Speed	33 mph		
10 mph Pace Speed	29-38		
Percentage of Vehicles in Pace	84	Recommended Speed Limit	35 mph
Number of Survey Samples	210		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	3	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.40	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	24,546	Date Counted	2/15/2017
Number of Lanes	4, raised median, two way left turn lane		
Type of Traffic Control	TS @ Sunset, Garvey Ave N, Garvey Ave S, Toluca		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Moderate		
On-Street Parking	SW side only		
Sidewalks?	Both sides		
Driveways?	Both sides		

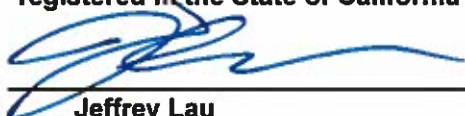
ROADWAY FACTORS

Length of Segment	0.280	miles
Width	82	feet
Vertical Curve?	Yes	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial, civic center	

Field Study By JD

Checked By NS

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Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

188

STREET West Covina Parkway **CERTIFICATION DATE** 10/5/2017
FROM California Avenue **TO** Glendora Avenue

SPEED FACTORS

Date of Speed Survey	3/1/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:00PM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Closest to 85th Speed	
85th Percentile Speed	36 mph		
Average Speed	30 mph		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	67	Recommended Speed Limit	35 mph
Number of Survey Samples	225		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	4	
Statewide Average Collision Rate	2.22	Collisions/MVM
Collisions per Million Vehicle Miles	0.74	Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	18,346	Date Counted	2/15/2017
Number of Lanes	4, painted and raised median		
Type of Traffic Control	TS @ California, Glendora, Vincent		
Crosswalks?	@ TS		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	None		
Sidewalks?	Both sides		
Driveways?	Both sides		

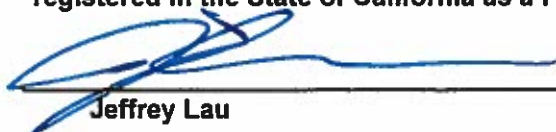
ROADWAY FACTORS

Length of Segment	0.270	miles
Width	60	feet
Vertical Curve?	Yes	
Horizontal Curve?	Yes	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Commercial	

Field Study By JD

Checked By NS

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 Jeffrey Lau

10/5/2017
 Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

190

STREET	Workman Avenue	CERTIFICATION DATE	10/5/2017
FROM	Sunset Avenue	TO	Vincent Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	35 mph
Time of Speed Survey	3:00PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Moderate Pedestrian Traffic, Hidden	
85th Percentile Speed	40 mph	Driveways	
Average Speed	36 mph		
10 mph Pace Speed	32-41		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	35 mph
Number of Survey Samples	223		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	1		
Statewide Average Collision Rate	2.21	Collisions/MVM	
Collisions per Million Vehicle Miles	0.38	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	4,799	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Vincent, Sunset		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	South side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.500	miles
Width	40	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Fair	
Roadway Conditions	Good	
Lighting	North side	
Adjacent Land Use	Residential, school	

Field Study By	AM	Checked By	NS
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10/5/2017
Date

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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

191

STREET	Workman Avenue	CERTIFICATION DATE	10/5/2017
FROM	Vincent Avenue	TO	Lark Ellen Avenue

SPEED FACTORS

Date of Speed Survey	1/25/2017	Posted Speed Limit	35 mph
Time of Speed Survey	2:10PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35 mph	Hidden Driveways, Uncontrolled X-Walk	
85th Percentile Speed	40 mph		
Average Speed	35 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	81	Recommended Speed Limit	35 mph
Number of Survey Samples	208		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	5
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.82 Collisions/MVM

TRAFFIC FACTORS

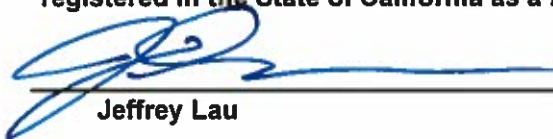
Average Daily Traffic	10,130	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Lark Ellen, Vincent		
Crosswalks?	@ TS, Toland		
Pedestrian Traffic	Light		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides, varies		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.550 miles
Width	38 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Fair
Roadway Conditions	Good
Lighting	South side
Adjacent Land Use	Residential

Field Study By AM Checked By NS

CERTIFICATION: I, Jeffrey Lau, do hereby certify that this Engineering and Traffic Survey within the City of West Covina was performed under my supervision and is accurate and complete. I am duly registered in the State of California as a Professional Engineer (Civil).



Jeffrey Lau

10/5/2017
Date

CE 83887
State Registration Number

**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

192

STREET Workman Avenue **CERTIFICATION DATE** 10/5/2017
FROM Lark Ellen Avenue **TO** Azusa Avenue

SPEED FACTORS

Date of Speed Survey	6/1/2017	Posted Speed Limit	35 mph
Time of Speed Survey	9:04AM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	Moderate Pedestrian Traffic,	
85th Percentile Speed	40 mph	Uncontrolled X-Walk	
Average Speed	36 mph		
10 mph Pace Speed	31-40		
Percentage of Vehicles in Pace	72	Recommended Speed Limit	35 mph
Number of Survey Samples	225		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	5
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	0.76 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	12,289	Date Counted	2/9/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Azusa, Lark Ellen		
Crosswalks?	@ TS, Homecrest		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	North side		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490 miles
Width	42 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	Both sides
Adjacent Land Use	Commercial, residential

Field Study By AM

Checked By NS

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Jeffrey Lau

10/5/2017
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CITY OF WEST COVINA ENGINEERING AND TRAFFIC SURVEY

193

STREET Workman Avenue **CERTIFICATION DATE** 10/5/2017
FROM Azusa Avenue **TO** East City Limits

SPEED FACTORS

Date of Speed Survey	1/24/2017	Posted Speed Limit	NP mph
Time of Speed Survey	9:30AM	Speed Justification	
50th Percentile Speed (Mean Speed)	31 mph	Closest to 85th Speed	
85th Percentile Speed	36 mph		
Average Speed	31 mph		
10 mph Pace Speed	28-37		
Percentage of Vehicles in Pace	62	Recommended Speed Limit	35 mph
Number of Survey Samples	211		

COLLISION HISTORY

Number of Years Studied	3 years
Total Collisions	9
Statewide Average Collision Rate	2.21 Collisions/MVM
Collisions per Million Vehicle Miles	1.52 Collisions/MVM

TRAFFIC FACTORS

Average Daily Traffic	11,053	Date Counted	2/15/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Azusa		
Crosswalks?	@ TS, Phillips		
Pedestrian Traffic	Moderate		
Truck Traffic	Light		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490 miles
Width	45 feet
Vertical Curve?	None
Horizontal Curve?	None
Visibility	Good
Roadway Conditions	Good
Lighting	South side
Adjacent Land Use	Residential, school

Field Study By AM **Checked By** NS

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 Jeffrey Lau

10/5/2017
 Date

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**CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY**

194

STREET Workman Avenue **CERTIFICATION DATE** 10/5/2017
FROM 85' E/O Calvados Avenue **TO** Citrus Street

SPEED FACTORS

Date of Speed Survey	4/6/2017	Posted Speed Limit	35 mph
Time of Speed Survey	1:15PM	Speed Justification	
50th Percentile Speed (Mean Speed)	34 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	34 mph		
10 mph Pace Speed	28-37		
Percentage of Vehicles in Pace	74	Recommended Speed Limit	35 mph
Number of Survey Samples	214		

COLLISION HISTORY

Number of Years Studied	3	years
Total Collisions	6	
Statewide Average Collision Rate	2.21	Collisions/MVM
Collisions per Million Vehicle Miles	3.22	Collisions/MVM

TRAFFIC FACTORS

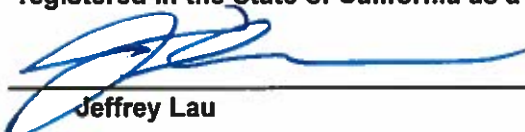
Average Daily Traffic	13,100	Date Counted	4/13/2017
Number of Lanes	2		
Type of Traffic Control	TS @ Citrus		
Crosswalks?	@ TS		
Pedestrian Traffic	Moderate		
Truck Traffic	Moderate		
On-Street Parking	Both sides		
Sidewalks?	Both sides		
Driveways?	Both sides		

ROADWAY FACTORS

Length of Segment	0.130	miles
Width	52	feet
Vertical Curve?	None	
Horizontal Curve?	None	
Visibility	Good	
Roadway Conditions	Good	
Lighting	Both sides	
Adjacent Land Use	Residential, commercial	

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

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CITY OF WEST COVINA
ENGINEERING AND TRAFFIC SURVEY

195

STREET	Workman Avenue	CERTIFICATION DATE	10/5/2017
FROM	Citrus Street	TO	East City Limits

SPEED FACTORS

Date of Speed Survey	1/24/2017	Posted Speed Limit	35 mph
Time of Speed Survey	2:15PM	Speed Justification	
50th Percentile Speed (Mean Speed)	36 mph	California MUTCD Option 2	
85th Percentile Speed	39 mph		
Average Speed	36 mph		
10 mph Pace Speed	30-39		
Percentage of Vehicles in Pace	84	Recommended Speed Limit	35 mph
Number of Survey Samples	204		

COLLISION HISTORY

Number of Years Studied	3	years	
Total Collisions	3		
Statewide Average Collision Rate	2.04	Collisions/MVM	
Collisions per Million Vehicle Miles	0.46	Collisions/MVM	

TRAFFIC FACTORS

Average Daily Traffic	12,184	Date Counted	2/15/2017
Number of Lanes	4		
Type of Traffic Control	TS @ Citrus, Barranca		
Crosswalks?	@ TS, Second, Palmetto, San Antonio		
Pedestrian Traffic	Moderate		
Truck Traffic	Moderate		
On-Street Parking	North side		
Sidewalks?	Both sides		
Driveways?	Both sides, many		

ROADWAY FACTORS

Length of Segment	0.490	miles	
Width	60	feet	
Vertical Curve?	None		
Horizontal Curve?	None		
Visibility	Good		
Roadway Conditions	Good		
Lighting	Both sides		
Adjacent Land Use	Commercial, residential, school		

Field Study By AM Checked By NS

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Jeffrey Lau

10/5/2017
Date

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State Registration Number

APPENDIX B

Radar Speed Distribution Forms

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD : 9:52AM TO 10:21AM

LOCATION: AMAR ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL		
	EB	WB									VEHICLES		
65	X										1	0	1
64											0	0	0
63											0	0	0
62											0	0	0
61	X										1	0	1
60											0	0	0
59	X										1	0	1
58	X										0	1	1
57											0	0	0
56											0	0	0
55	X										0	1	1
54	X										1	0	1
53	X	X	X								2	1	3
52	X										0	1	1
51	X	X	X	X	X						3	3	6
50	X	X	X	X	X						5	1	6
49	X	X	X	X	X						4	1	5
48	X	X	X	X	X	X	X	X	X		9	1	10
47	X	X	X								2	1	3
46	X	X	X	X	X						2	4	6
45	X	X	X	X	X	X	X	X	X	X	9	9	18
44	X	X	X	X	X	X	X	X	X	X	5	7	12
43	X	X	X	X	X	X	X	X	X	X	15	5	20
42	X	X	X	X	X	X	X	X	X	X	5	5	10
41	X	X	X	X	X	X	X	X	X	X	6	9	15
40	X	X	X	X	X	X	X	X	X	X	12	7	19
39	X	X	X	X	X	X	X	X	X	X	3	7	10
38	X	X	X	X							4	1	5
37	X	X	X	X	X						5	1	6
36	X	X	X	X	X						2	5	7
35	X	X	X	X	X	X					1	7	8
34	X	X	X	X	X						2	3	5
33	X	X	X	X	X						1	5	6
32	X	X	X	X	X	X					4	3	7
31	X	X	X								1	2	3
30	X	X	X	X	X						3	3	6
29	X	X	X	X							1	3	4
28	X	X	X	X	X						1	5	6
27	X	X	X	X							1	3	4
26											0	0	0
25											0	0	0
24											0	0	0
23											0	0	0
22											0	0	0
21											0	0	0
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											112	105	217

LIMITS (BTN): VALINDA AVE TO LARK ELLEN AVE

OBSERVATION POINT: 1071 AMAR RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>49.5</u>	<u>46.5</u>	<u>48.2</u>	M.P.H.
50TH %:	<u>42.5</u>	<u>39.4</u>	<u>41.0</u>	M.P.H.
15TH %:	<u>35.6</u>	<u>32.2</u>	<u>33.8</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>36 - 45</u>	<u>39 - 48</u>	M.P.H.
% IN PACE:	<u>62%</u>	<u>53%</u>	<u>57%</u>	
% OVER PACE:	<u>13%</u>	<u>14%</u>	<u>12%</u>	
% UNDER PACE:	<u>26%</u>	<u>32%</u>	<u>31%</u>	
ARITHMETIC MEAN:	<u>42.53</u>	<u>39.35</u>	<u>40.99</u>	M.P.H.
SAMPLE VARIANCE:	<u>44.67</u>	<u>47.13</u>	<u>48.18</u>	
STANDARD DEVIATION:	<u>6.68</u>	<u>6.87</u>	<u>6.94</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.40</u>	<u>0.45</u>	<u>0.22</u>	
STD. ERROR OF THE MEAN:	<u>0.63</u>	<u>0.67</u>	<u>0.47</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 3:35PM TO 4:01PM

LOCATION: AMAR ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58	X X	1	1	2
57	X	0	1	1
56		0	0	0
55	X X X	1	2	3
54	X	0	1	1
53	X	0	1	1
52	X	1	0	1
51	X X	2	0	2
50	X X X X X X X X X X	7	3	10
49	X X X X X X X X X	6	3	9
48	X X X X X X X X X	3	6	9
47	X X X X X X X X X X X	5	7	12
46	X X X X X X X X X X	7	4	11
45	X X X X X X X X X X X X X X	8	8	16
44	X X X X X X X X X X X X X X X X X	12	6	18
43	X X X X X X X X X X X X X X X X X X	7	12	19
42	X X X X X X X X X X X X X X X	8	7	15
41	X X X X X X X X X X X X X X X X X	10	6	16
40	X X X X X X X X X X X X X X X X X X	8	11	19
39	X X X X X X X X	1	7	8
38	X X X X	0	4	4
37	X X X X X X X	2	5	7
36	X X X X	2	2	4
35	X X X X X X X	4	3	7
34	X X X X X X	3	3	6
33	X X	1	1	2
32	X X X X X X	3	2	5
31	X X X	2	1	3
30	X X	1	1	2
29	X	0	1	1
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	109	214

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE

OBSERVATION POINT: 1300 AMAR RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>48.7</u>	<u>48.2</u>	<u>48.5</u>	M.P.H.
50TH %:	<u>43.0</u>	<u>42.4</u>	<u>42.7</u>	M.P.H.
15TH %:	<u>37.3</u>	<u>36.6</u>	<u>37.0</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>39 - 48</u>	<u>40 - 49</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>68%</u>	<u>67%</u>	
% OVER PACE:	<u>11%</u>	<u>11%</u>	<u>10%</u>	
% UNDER PACE:	<u>18%</u>	<u>21%</u>	<u>23%</u>	
ARITHMETIC MEAN:	<u>43.00</u>	<u>42.44</u>	<u>42.71</u>	M.P.H.
SAMPLE VARIANCE:	<u>30.04</u>	<u>31.42</u>	<u>30.67</u>	
STANDARD DEVIATION:	<u>5.48</u>	<u>5.60</u>	<u>5.54</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.29</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.54</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 3:07PM TO 3:32PM

LOCATION: AMAR ROAD

SPEED (MPH)	TOTAL VEHICLES SURVEYED																TOTAL		
																	EB	WB	VEHICLES
65																	0	0	0
64	X																0	1	1
63																	0	0	0
62																	0	0	0
61																	0	0	0
60	X															1	0	1	
59																0	0	0	
58	X															1	0	1	
57	X															1	0	1	
56																0	0	0	
55	X	X														1	1	2	
54	X	X														1	1	2	
53	X	X														1	1	2	
52	X	X	X													2	1	3	
51	X	X	X	X												2	3	5	
50	X	X	X	X	X	X	X									6	3	9	
49	X	X	X	X	X	X	X	X	X							8	4	12	
48	X	X	X	X	X	X	X									4	4	8	
47	X	X	X	X	X	X	X	X	X	X	X	X	X	X		13	4	17	
46	X	X	X	X	X	X	X									4	4	8	
45	X	X	X	X	X	X	X	X	X	X	X	X	X	X		10	8	18	
44	X	X	X	X	X	X	X	X	X	X	X	X	X	X		5	14	19	
43	X	X	X	X	X	X	X	X	X	X	X	X	X	X		3	11	14	
42	X	X	X	X	X	X	X	X	X	X	X	X	X	X		8	8	16	
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X		10	6	16	
40	X	X	X	X	X	X	X									4	5	9	
39	X	X	X	X	X	X	X									3	6	9	
38	X	X	X	X	X	X	X									2	4	6	
37	X	X	X	X	X	X	X									2	4	6	
36	X	X	X	X	X	X	X									3	3	6	
35	X	X	X	X	X	X	X									2	2	4	
34	X	X	X	X	X	X	X									2	2	4	
33	X	X														1	1	2	
32	X	X	X													1	2	3	
31	X	X														1	1	2	
30	X															1	0	1	
29	X	X	X													2	1	3	
28	X															1	0	1	
27																0	0	0	
26																0	0	0	
25																0	0	0	
24																0	0	0	
23																0	0	0	
22																0	0	0	
21																0	0	0	
20																0	0	0	
19																0	0	0	
18																0	0	0	
17																0	0	0	
16																0	0	0	
15																0	0	0	
																106	105	211	

LIMITS (BTN): AZUSA AVE TO TEMPLE AVE
OBSERVATION POINT: 1559 AMAR RD
POSTED SPEED LIMIT: 45 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: PARTLY CLOUDY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>50.4</u>	<u>48.6</u>	<u>49.5</u>	M.P.H.
50TH %:	<u>43.9</u>	<u>42.9</u>	<u>43.4</u>	M.P.H.
15TH %:	<u>37.4</u>	<u>37.2</u>	<u>37.3</u>	M.P.H.
10 MPH PACE:	<u>41 - 50</u>	<u>39 - 48</u>	<u>41 - 50</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>67%</u>	<u>65%</u>	
% OVER PACE:	<u>9%</u>	<u>14%</u>	<u>9%</u>	
% UNDER PACE:	<u>24%</u>	<u>19%</u>	<u>27%</u>	
ARITHMETIC MEAN:	<u>43.89</u>	<u>42.94</u>	<u>43.42</u>	M.P.H.
SAMPLE VARIANCE:	<u>39.00</u>	<u>30.30</u>	<u>34.73</u>	
STANDARD DEVIATION:	<u>6.24</u>	<u>5.50</u>	<u>5.89</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.37</u>	<u>0.29</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.61</u>	<u>0.54</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 2:41PM TO 3:03PM

LOCATION: AMAR ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61	X X	1	1	2
60	X	1	0	1
59	X X X	2	1	3
58	X X X X	2	2	4
57	X	1	0	1
56	X	1	0	1
55	X X X X	3	1	4
54	X X X	1	2	3
53	X X X X	2	2	4
52	X	1	0	1
51	X X X X	3	1	4
50	X X X X X X X X X X X X X X	4	10	14
49	X X X X X X X X X X X X	8	4	12
48	X X X X X X X X X X	3	7	10
47	X X X X X X X X X X X X	9	3	12
46	X X X X X X X X X X	4	7	11
45	X X X X X X X X X X X X X X X X X X X X	13	6	19
44	X X X X X X X X X X	6	4	10
43	X X X X X X X X X X	2	9	11
42	X X X X X X X X X	6	3	9
41	X X X X X X X X X X X X	5	7	12
40	X X X X X X X X X X X X X X	8	5	13
39	X X X X X X X X	3	5	8
38	X X X X X	3	2	5
37	X X X X X X	3	3	6
36	X X X X X X X X	4	4	8
35	X X	1	1	2
34	X X X X	2	2	4
33	X X X X X X X	2	5	7
32	X X X	2	1	3
31	X X	0	2	2
30	X	0	1	1
29	X X X	0	3	3
28		0	0	0
27	X	1	0	1
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	104	211

LIMITS (BTN): TEMPLE AVE TO SHADOW OAK DR

OBSERVATION POINT: 1700 AMAR RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>51.9</u>	<u>50.5</u>	<u>51.2</u>	M.P.H.
50TH %:	<u>44.9</u>	<u>43.3</u>	<u>44.1</u>	M.P.H.
15TH %:	<u>37.8</u>	<u>36.1</u>	<u>36.9</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>41 - 50</u>	<u>41 - 50</u>	M.P.H.
% IN PACE:	<u>60%</u>	<u>58%</u>	<u>57%</u>	
% OVER PACE:	<u>21%</u>	<u>10%</u>	<u>13%</u>	
% UNDER PACE:	<u>20%</u>	<u>33%</u>	<u>30%</u>	
ARITHMETIC MEAN:	<u>44.85</u>	<u>43.29</u>	<u>44.08</u>	M.P.H.
SAMPLE VARIANCE:	<u>45.71</u>	<u>48.75</u>	<u>47.60</u>	
STANDARD DEVIATION:	<u>6.76</u>	<u>6.98</u>	<u>6.90</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.43</u>	<u>0.47</u>	<u>0.23</u>	
STD. ERROR OF THE MEAN:	<u>0.65</u>	<u>0.68</u>	<u>0.47</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 2:11PM TO 2:37PM

LOCATION: AMAR ROAD

SPEED (MPH)	TOTAL VEHICLES SURVEYED																EB	WB	TOTAL VEHICLES	
65																		0	0	0
64	X																	0	1	1
63	X	X																1	1	2
62	X																	1	0	1
61	X																	1	0	1
60	X	X																1	1	2
59	X	X																1	1	2
58	X	X	X															2	1	3
57	X	X	X															2	1	3
56	X																	1	0	1
55	X	X	X	X	X													4	2	6
54	X	X	X	X														0	4	4
53	X	X	X	X														3	1	4
52	X	X	X															2	1	3
51	X	X	X	X	X	X												4	4	8
50	X	X	X	X	X	X	X	X	X	X	X	X	X	X				6	11	17
49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		9	13	22
48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		9	9	18
47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		10	11	21
46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		5	15	20
45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		6	11	17
44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		11	6	17
43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		6	7	13
42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		4	6	10
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		4	5	9
40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		7	10	17
39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		6	7	13
38	X	X	X	X														2	2	4
37	X	X	X	X	X													5	1	6
36	X	X	X	X	X													2	4	6
35	X	X	X															2	1	3
34	X	X	X															3	0	3
33	X	X	X	X														4	1	5
32	X	X	X	X	X													5	0	5
31	X	X	X	X	X													5	1	6
30																		0	0	0
29																		0	0	0
28																		0	0	0
27																		0	0	0
26																		0	0	0
25																		0	0	0
24																		0	0	0
23																		0	0	0
22																		0	0	0
21																		0	0	0
20																		0	0	0
19																		0	0	0
18																		0	0	0
17																		0	0	0
16																		0	0	0
15																		0	0	0
																		134	139	273

LIMITS (BTN): SHADOW OAK DR TO NOGALES ST

OBSERVATION POINT: 2100 AMAR RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>52.2</u>	<u>51.6</u>	<u>52.0</u>	M.P.H.
50TH %:	<u>44.5</u>	<u>45.8</u>	<u>45.2</u>	M.P.H.
15TH %:	<u>36.8</u>	<u>40.0</u>	<u>38.3</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>41 - 50</u>	<u>41 - 50</u>	M.P.H.
% IN PACE:	<u>53%</u>	<u>68%</u>	<u>60%</u>	
% OVER PACE:	<u>22%</u>	<u>13%</u>	<u>15%</u>	
% UNDER PACE:	<u>25%</u>	<u>19%</u>	<u>25%</u>	
ARITHMETIC MEAN:	<u>44.49</u>	<u>45.81</u>	<u>45.16</u>	M.P.H.
SAMPLE VARIANCE:	<u>55.08</u>	<u>31.36</u>	<u>43.28</u>	
STANDARD DEVIATION:	<u>7.42</u>	<u>5.60</u>	<u>6.58</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.41</u>	<u>0.23</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.64</u>	<u>0.47</u>	<u>0.40</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 1:40PM TO 2:07PM

LOCATION: AMAR ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED												TOTAL			
													EB	WB	VEHICLES	
65														0	0	0
64	X	X												1	1	2
63														0	0	0
62														0	0	0
61														0	0	0
60	X													0	1	1
59														0	0	0
58	X													1	0	1
57	X													1	0	1
56														0	0	0
55	X	X	X	X										2	2	4
54	X	X	X											1	2	3
53	X	X												1	1	2
52	X	X												1	1	2
51	X	X	X											1	2	3
50	X	X	X	X	X	X	X	X	X	X	X	X	X	6	6	12
49	X	X	X	X	X	X	X	X	X	X	X	X	X	5	4	9
48	X	X	X	X	X	X	X	X	X	X	X	X	X	6	5	11
47	X	X	X	X	X	X	X	X	X	X	X	X	X	8	8	16
46	X	X	X	X	X	X	X	X	X	X	X	X	X	8	5	13
45	X	X	X	X	X	X	X	X	X	X	X	X	X	9	9	18
44	X	X	X	X	X	X	X	X	X	X	X	X	X	10	10	20
43	X	X	X	X	X	X	X	X	X	X	X	X	X	4	13	17
42	X	X	X	X	X	X	X	X	X	X	X	X	X	5	7	12
41	X	X	X	X	X	X	X	X	X	X	X	X	X	7	6	13
40	X	X	X	X	X	X	X	X	X	X	X	X	X	9	4	13
39	X	X	X	X	X	X	X	X	X	X	X	X	X	5	3	8
38	X	X	X	X	X	X	X	X	X	X	X	X	X	6	3	9
37	X	X	X	X	X	X	X	X	X	X	X	X	X	3	2	5
36	X	X	X	X	X	X	X	X	X	X	X	X	X	1	2	3
35	X	X	X	X	X	X	X	X	X	X	X	X	X	5	2	7
34	X	X	X	X	X	X	X	X	X	X	X	X	X	2	3	5
33	X	X	X	X	X	X	X	X	X	X	X	X	X	3	2	5
32	X	X	X	X	X	X	X	X	X	X	X	X	X	2	2	4
31	X													0	1	1
30	X	X	X	X	X	X	X	X	X	X	X	X	X	4	1	5
29	X	X	X	X	X	X	X	X	X	X	X	X	X	1	2	3
28	X	X	X	X	X	X	X	X	X	X	X	X	X	3	0	3
27	X													0	1	1
26	X													1	0	1
25	X													1	0	1
24														0	0	0
23	X													1	0	1
22														0	0	0
21														0	0	0
20														0	0	0
19														0	0	0
18														0	0	0
17														0	0	0
16														0	0	0
15														0	0	0
														124	111	235

LIMITS (BTN): NOGALES ST TO EAST CITY LIMITS

OBSERVATION POINT: 2600 AMAR RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>49.7</u>	<u>50.0</u>	<u>49.9</u>	M.P.H.
50TH %:	<u>42.2</u>	<u>43.4</u>	<u>42.8</u>	M.P.H.
15TH %:	<u>34.7</u>	<u>36.8</u>	<u>35.7</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>41 - 50</u>	<u>40 - 49</u>	M.P.H.
% IN PACE:	<u>57%</u>	<u>66%</u>	<u>60%</u>	
% OVER PACE:	<u>12%</u>	<u>9%</u>	<u>13%</u>	
% UNDER PACE:	<u>31%</u>	<u>25%</u>	<u>26%</u>	
ARITHMETIC MEAN:	<u>42.20</u>	<u>43.42</u>	<u>42.78</u>	M.P.H.
SAMPLE VARIANCE:	<u>51.97</u>	<u>40.59</u>	<u>46.77</u>	
STANDARD DEVIATION:	<u>7.21</u>	<u>6.37</u>	<u>6.84</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.42</u>	<u>0.37</u>	<u>0.20</u>	
STD. ERROR OF THE MEAN:	<u>0.65</u>	<u>0.60</u>	<u>0.45</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 10:11AM

LOCATION: AROMA DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X X	0	2	2
47		0	0	0
46	X X	0	2	2
45		0	0	0
44		0	0	0
43	X X X X	2	2	4
42	X X X X	4	0	4
41	X X X X	0	4	4
40	X X X X X X X X	5	4	9
39	X X X X X X X X X X	8	2	10
38	X X X X X X X X X X X X	11	2	13
37	X X X X X X X X X X X X	7	6	13
36	X X X X X X X X X X X X X X	5	12	17
35	X X X X X X X X X X X X X X X X	8	10	18
34	X X X X X X X X X X X X X X X X	8	8	16
33	X X X X X X X X X X X X X X X X	8	8	16
32	X X X X X X X X X X X X X X X X	9	6	15
31	X X X X X X X X X X X X X X X X X X	7	14	21
30	X X	13	14	27
29	X X X X X X X X X X X X X X	7	6	13
28	X X X X X X	4	2	6
27	X	1	0	1
26	X X X X	0	4	4
25	X X	2	0	2
24	X X X X	2	2	4
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		111	110	221

LIMITS (BTN): AZUSA AVE TO GALSTER WAY

OBSERVATION POINT: 2039 AROMA DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.5</u>	<u>38.7</u>	<u>38.6</u>	M.P.H.
50TH %:	<u>34.0</u>	<u>33.8</u>	<u>33.9</u>	M.P.H.
15TH %:	<u>29.5</u>	<u>28.9</u>	<u>29.2</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>78%</u>	<u>76%</u>	
% OVER PACE:	<u>10%</u>	<u>15%</u>	<u>16%</u>	
% UNDER PACE:	<u>14%</u>	<u>7%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>34.00</u>	<u>33.82</u>	<u>33.91</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.18</u>	<u>22.32</u>	<u>20.66</u>	
STANDARD DEVIATION:	<u>4.38</u>	<u>4.72</u>	<u>4.54</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.20</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.42</u>	<u>0.45</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 10:15AM TO 12:15PM

LOCATION: AROMA DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39	X X	0	2	2
38	X X	1	1	2
37	X X X	0	3	3
36	X X	1	1	2
35	X X	1	1	2
34	X X	0	2	2
33	X X X X X X	2	4	6
32	X X X X X X X	4	3	7
31	X X X X X	3	2	5
30	X X X X X X X X X	7	2	9
29	X X X X X X X	4	3	7
28	X X X X	1	3	4
27	X X	2	0	2
26	X X X X X	5	0	5
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		31	27	58

LIMITS (BTN): GALSTER WAY TO FAIRGROVE DR

OBSERVATION POINT: 2500 AROMA DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>33.2</u>	<u>36.4</u>	<u>35.0</u>	M.P.H.
50TH %:	<u>30.1</u>	<u>32.9</u>	<u>31.4</u>	M.P.H.
15TH %:	<u>27.0</u>	<u>29.3</u>	<u>27.8</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>28 - 37</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>94%</u>	<u>89%</u>	<u>84%</u>	
% OVER PACE:	<u>6%</u>	<u>11%</u>	<u>16%</u>	
% UNDER PACE:	<u>0%</u>	<u>0%</u>	<u>0%</u>	
ARITHMETIC MEAN:	<u>30.13</u>	<u>32.85</u>	<u>31.40</u>	M.P.H.
SAMPLE VARIANCE:	<u>8.92</u>	<u>11.98</u>	<u>12.03</u>	
STANDARD DEVIATION:	<u>2.99</u>	<u>3.46</u>	<u>3.47</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.44</u>	<u>0.21</u>	
STD. ERROR OF THE MEAN:	<u>0.54</u>	<u>0.67</u>	<u>0.46</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 12:15PM TO 12:34PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X	0	2	2
49	X	0	1	1
48		0	0	0
47	X	1	0	1
46	X	0	1	1
45	X X X X	2	2	4
44	X	0	1	1
43	X X X X X	2	3	5
42	X X X X X X X X	3	5	8
41	X X X X X X X X X X X X X X X X X X	6	12	18
40	X X X X X X X X X X X X X X X X	7	8	15
39	X X X X X X X X X X X X X X X X X X	9	10	19
38	X X X X X X X X X X X X X X X X X X	11	5	16
37	X X X X X X X X X X X X X X X X X X X X	13	8	21
36	X X X X X X X X X X X X X X X X X X	11	7	18
35	X X X X X X X X X X X X X X X X X X	10	9	19
34	X X X X X X X X X X X X X X X X X X X X	9	12	21
33	X X X X X X X X X X X X X X X X X X	7	10	17
32	X X X X X X X X X	4	4	8
31	X X X X X X X X X X X X X X	7	6	13
30	X X X X X X X X X X X X	6	5	11
29	X	1	0	1
28	X X X X X	2	3	5
27	X X	1	1	2
26	X X	1	1	2
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		113	116	229

LIMITS (BTN): BADILLO ST TO PUENTE AVE

OBSERVATION POINT: 800 AZUSA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.2</u>	<u>41.7</u>	<u>41.0</u>	M.P.H.
50TH %:	<u>36.0</u>	<u>36.7</u>	<u>36.4</u>	M.P.H.
15TH %:	<u>31.9</u>	<u>31.8</u>	<u>31.8</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>78%</u>	<u>74%</u>	<u>75%</u>	
% OVER PACE:	<u>12%</u>	<u>9%</u>	<u>7%</u>	
% UNDER PACE:	<u>10%</u>	<u>17%</u>	<u>18%</u>	
ARITHMETIC MEAN:	<u>36.03</u>	<u>36.74</u>	<u>36.39</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.17</u>	<u>22.70</u>	<u>19.52</u>	
STANDARD DEVIATION:	<u>4.02</u>	<u>4.76</u>	<u>4.42</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.20</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.38</u>	<u>0.44</u>	<u>0.29</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD: 11:50AM TO 12:11PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X X	3	1	4
49	X	1	0	1
48	X X	0	2	2
47	X X X	2	1	3
46	X X	0	2	2
45	X X X X X	2	3	5
44	X X X X X X	2	4	6
43	X X X X X X	1	5	6
42	X X X X X X X X	3	6	9
41	X X X X X X X X X X	5	6	11
40	X X X X X X X X X X X X X X X X X X	10	12	22
39	X X X X X X X X X X X X X X X X X X	12	8	20
38	X X X X X X X X X X X X X X X X X X	11	9	20
37	X X X X X X X X X X X X X X X X	7	8	15
36	X X X X X X X X X X X X X	8	5	13
35	X X X X X X X X X X X X	5	6	11
34	X X X X X X X X X	3	6	9
33	X X X X X X X X X X X	7	4	11
32	X X X X X X X X X	5	3	8
31	X X X X X X X X	3	4	7
30	X X X X X X X X X X	6	4	10
29	X X X X X X	2	3	5
28	X X X X X X X X	4	3	7
27	X X X X X	1	3	4
26	X X X	3	0	3
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	108	215

LIMITS (BTN): PUENTE AVE TO ROWLAND AVE

OBSERVATION POINT: 602 AZUSA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.3</u>	<u>43.0</u>	<u>42.6</u>	M.P.H.
50TH %:	<u>36.6</u>	<u>37.6</u>	<u>37.1</u>	M.P.H.
15TH %:	<u>31.0</u>	<u>32.2</u>	<u>31.6</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>34 - 43</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>66%</u>	<u>66%</u>	
% OVER PACE:	<u>13%</u>	<u>12%</u>	<u>13%</u>	
% UNDER PACE:	<u>19%</u>	<u>22%</u>	<u>21%</u>	
ARITHMETIC MEAN:	<u>36.63</u>	<u>37.56</u>	<u>37.10</u>	M.P.H.
SAMPLE VARIANCE:	<u>29.76</u>	<u>27.09</u>	<u>28.51</u>	
STANDARD DEVIATION:	<u>5.46</u>	<u>5.20</u>	<u>5.34</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.28</u>	<u>0.25</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.50</u>	<u>0.36</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 10:25AM TO 10:47AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48	X X	0	2	2
47	X X X X	0	4	4
46	X	0	1	1
45	X X X X X X X	2	5	7
44	X X X X X	2	3	5
43	X X X X X X X X X X X X	7	5	12
42	X X	2	0	2
41	X X X X X X X X X X X X X X X X	5	9	14
40	X X X X X X X X X X X	4	6	10
39	X X X X X X X X	4	4	8
38	X X X X X X X X	4	4	8
37	X X X X X X X X X X X X	6	6	12
36	X X	12	9	21
35	X X X X X X X X X X X X X	6	6	12
34	X X	12	8	20
33	X X X X X X X X X X X X X X X X	7	7	14
32	X X X X X X X X X X X X X X X X X X	6	10	16
31	X X X X X X X X X X X	5	5	10
30	X X X X X X X X X X X X	7	4	11
29	X X X X X X X X X	4	4	8
28	X X X X X X X X X X X X	7	4	11
27		0	0	0
26	X	0	1	1
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	107	211

LIMITS (BTN): ROWLAND AVE TO WORKMAN AVE

OBSERVATION POINT: 467 AZUSA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.4</u>	<u>42.3</u>	<u>41.4</u>	M.P.H.
50TH %:	<u>35.4</u>	<u>36.7</u>	<u>36.1</u>	M.P.H.
15TH %:	<u>30.4</u>	<u>31.1</u>	<u>30.7</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>64%</u>	<u>64%</u>	
% OVER PACE:	<u>30%</u>	<u>19%</u>	<u>16%</u>	
% UNDER PACE:	<u>1%</u>	<u>17%</u>	<u>20%</u>	
ARITHMETIC MEAN:	<u>35.40</u>	<u>36.70</u>	<u>36.06</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.68</u>	<u>29.46</u>	<u>26.91</u>	
STANDARD DEVIATION:	<u>4.87</u>	<u>5.43</u>	<u>5.19</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.28</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.52</u>	<u>0.36</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 9:00AM TO 9:24AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	0	1	1
48		0	0	0
47	X X X X	1	3	4
46	X X X X X	1	4	5
45	X X	0	2	2
44	X X X X	1	3	4
43	X X X X X X	2	4	6
42	X X X X X	3	2	5
41	X X X X X X X X X X	6	4	10
40	X X X X X X X X X X X X X X X X	8	8	16
39	X X X X X X X X X X X X X X X X	12	3	15
38	X X X X X X X X X X	5	4	9
37	X X X X X X X X X X	4	6	10
36	X X X X X X X X X X X X X X X X X X	6	11	17
35	X X X X X X X X X X X X X X X X	7	8	15
34	X X	11	11	22
33	X X	10	8	18
32	X X	6	11	17
31	X X X X X X	2	4	6
30	X X X X X X X X X X X X	10	2	12
29	X X X X X X X	5	1	6
28	X X X X	2	2	4
27	X X X X X	5	0	5
26	X	0	1	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	103	210

LIMITS (BTN): WORKMAN AVE TO GARVEY AVE SOUTH

OBSERVATION POINT: 141 AZUSA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.1</u>	<u>41.9</u>	<u>41.0</u>	M.P.H.
50TH %:	<u>35.3</u>	<u>36.8</u>	<u>36.0</u>	M.P.H.
15TH %:	<u>30.5</u>	<u>31.6</u>	<u>31.0</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>72%</u>	<u>71%</u>	
% OVER PACE:	<u>7%</u>	<u>18%</u>	<u>13%</u>	
% UNDER PACE:	<u>22%</u>	<u>10%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>35.29</u>	<u>36.78</u>	<u>36.02</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.43</u>	<u>24.68</u>	<u>23.47</u>	
STANDARD DEVIATION:	<u>4.63</u>	<u>4.97</u>	<u>4.84</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.24</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.49</u>	<u>0.33</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 10:17AM TO 10:34AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X	0	1	1
54		0	0	0
53		0	0	0
52	X X	1	1	2
51	X X X X	0	4	4
50	X	1	0	1
49	X X	1	1	2
48	X X	0	2	2
47	X	0	1	1
46	X X X X	2	2	4
45	X X X X X X	1	5	6
44	X X X X X X	1	5	6
43	X X X X X X X X	2	7	9
42	X X X X X	0	5	5
41	X X X X X X X X X X	3	7	10
40	X X X X X X X X X X X X X X X X X X	13	8	21
39	X X X X X X X X X X X X X X X X X X	8	11	19
38	X X X X X X X X X X X X X X X X X X	8	11	19
37	X X	21	13	34
36	X X X X X X X X X X X X X X	9	5	14
35	X X X X X X X X X X X X X X X X X X	15	4	19
34	X X X X X X X X X X X X X X X X X	12	6	18
33	X X X X X X X X X X X X X X X X	13	3	16
32	X X X X X X X X X X	6	3	9
31	X X X X X	3	2	5
30	X X X	1	2	3
29		0	0	0
28		0	0	0
27	X X	0	2	2
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		121	111	232

LIMITS (BTN): GARVEY AVE SOUTH TO CORTEZ ST

OBSERVATION POINT: 439 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.8</u>	<u>44.9</u>	<u>43.0</u>	<u>M.P.H.</u>
50TH %:	<u>36.8</u>	<u>39.5</u>	<u>38.1</u>	M.P.H.
15TH %:	<u>32.8</u>	<u>34.0</u>	<u>33.2</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>36 - 45</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>89%</u>	<u>69%</u>	<u>77%</u>	
% OVER PACE:	<u>7%</u>	<u>11%</u>	<u>19%</u>	
% UNDER PACE:	<u>3%</u>	<u>20%</u>	<u>4%</u>	
ARITHMETIC MEAN:	<u>36.82</u>	<u>39.47</u>	<u>38.09</u>	M.P.H.
SAMPLE VARIANCE:	<u>14.82</u>	<u>27.76</u>	<u>22.68</u>	
STANDARD DEVIATION:	<u>3.85</u>	<u>5.27</u>	<u>4.76</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.12</u>	<u>0.25</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.35</u>	<u>0.50</u>	<u>0.31</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 9:56AM TO 10:13AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X X	1	1	2
53		0	0	0
52	X	1	0	1
51		0	0	0
50		0	0	0
49		0	0	0
48	X X X	1	2	3
47	X X X	2	1	3
46	X X X X X	2	3	5
45	X X X X X X X X X X X	6	4	10
44	X X X X X X X X X X X X X	8	5	13
43	X X X X X X X X X X X X X	7	5	12
42	X X X X X X X X X X	5	4	9
41	X X X X X X X X X X	5	4	9
40	X X X X X X X X X X X X X	5	8	13
39	X X X X X X X X X X X X X	5	7	12
38	X X X X X X X X X X X X X X X	9	6	15
37	X X X X X X X X X X X X X X X X	9	7	16
36	X X X X X X X X X X X X X	6	6	12
35	X X X X X X X X X X X X X	6	6	12
34	X X X X X X X X X X X X X	8	4	12
33	X X X X X X X X X X X X X	5	7	12
32	X X X X X X X X X X X X X	3	9	12
31	X X X X X X X X X X	1	8	9
30	X X X X X X X X X X X X X X X X	10	6	16
29	X X X X X	0	4	4
28	X X	0	2	2
27	X X X	1	2	3
26		0	0	0
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	112	219

LIMITS (BTN): CORTEZ ST TO CAMERON AVE

OBSERVATION POINT: 718 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.0</u>	<u>42.7</u>	<u>43.3</u>	M.P.H.
50TH %:	<u>38.2</u>	<u>36.8</u>	<u>37.5</u>	M.P.H.
15TH %:	<u>32.4</u>	<u>30.9</u>	<u>31.6</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>61%</u>	<u>58%</u>	
% OVER PACE:	<u>7%</u>	<u>26%</u>	<u>37%</u>	
% UNDER PACE:	<u>33%</u>	<u>13%</u>	<u>5%</u>	
ARITHMETIC MEAN:	<u>38.19</u>	<u>36.80</u>	<u>37.48</u>	M.P.H.
SAMPLE VARIANCE:	<u>31.06</u>	<u>32.14</u>	<u>31.95</u>	
STANDARD DEVIATION:	<u>5.57</u>	<u>5.67</u>	<u>5.65</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.29</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.54</u>	<u>0.54</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 9:36AM TO 9:52AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	1	0	1
56		0	0	0
55		0	0	0
54		0	0	0
53	X X	2	0	2
52	X	0	1	1
51	X X X	3	0	3
50	X	0	1	1
49	X	0	1	1
48	X X X X	1	3	4
47	X X X	1	2	3
46	X X X	1	2	3
45	X X X X X	3	2	5
44	X X X X X X X X	5	3	8
43	X X X X X X X	4	3	7
42	X X X X X X X X	5	3	8
41	X X X X X X X X X X X X X X	11	3	14
40	X X X X X	2	3	5
39	X X X X X X X X X X X X	7	5	12
38	X X X X X X X X X X X X X X X X	8	9	17
37	X X	12	9	21
36	X X X X X X X X X X X X X X X X X X	9	9	18
35	X X X X X X X X X X X X X X X X X X X X	8	12	20
34	X X X X X X X X X X X X X X X X X X X X	12	7	19
33	X X X X X X X X X X X X X X X X X X	11	7	18
32	X X X X X X X X X X X	5	5	10
31	X X X X X X X X X X X	5	6	11
30	X X X X X X X X X X X X	4	8	12
29	X X X	1	2	3
28	X X X	0	3	3
27	X X	0	2	2
26		0	0	0
25	X	0	1	1
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		122	112	234

LIMITS (BTN): CAMERON AVE TO VINE AVE

OBSERVATION POINT: 900 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.5</u>	<u>42.3</u>	<u>43.0</u>	M.P.H.
50TH %:	<u>37.8</u>	<u>36.5</u>	<u>37.2</u>	M.P.H.
15TH %:	<u>32.0</u>	<u>30.7</u>	<u>31.4</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>69%</u>	<u>68%</u>	
% OVER PACE:	<u>17%</u>	<u>24%</u>	<u>28%</u>	
% UNDER PACE:	<u>13%</u>	<u>7%</u>	<u>4%</u>	
ARITHMETIC MEAN:	<u>37.78</u>	<u>36.53</u>	<u>37.18</u>	M.P.H.
SAMPLE VARIANCE:	<u>30.77</u>	<u>31.35</u>	<u>31.31</u>	
STANDARD DEVIATION:	<u>5.55</u>	<u>5.60</u>	<u>5.60</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.25</u>	<u>0.28</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.50</u>	<u>0.53</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 9:18AM TO 9:32AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57		0	0	0
56		0	0	0
55	X	0	1	1
54		0	0	0
53		0	0	0
52	X X	0	2	2
51	X	0	1	1
50	X X X X	1	3	4
49		0	0	0
48	X X X X X	4	1	5
47	X X X X	3	1	4
46	X X X X X X	1	5	6
45	X X X X X X X X X X X X	5	6	11
44	X X X X X X X X X	5	4	9
43	X X X X X X X X	3	5	8
42	X X X X X X X X X X X X	6	5	11
41	X X X X X X X X X X X X X X X X	2	12	14
40	X X X X X X X X X X X X X X	7	5	12
39	X X X X X X X X X X X X X X X X X X	4	12	16
38	X X X X X X X X X X X X X X X X X X	5	9	14
37	X X	7	15	22
36	X X X X X X X X X X X X X X X X	5	8	13
35	X X X X X X X X X X X X X X X X X X	8	6	14
34	X X X X X X X X X X X X	7	4	11
33	X X X X X X X X X X X X	7	4	11
32	X X X X X X X X	7	0	7
31	X X X X X X X X X	5	3	8
30	X X X X X X	3	2	5
29	X X	2	0	2
28	X X X X X X X	4	2	6
27	X X	2	0	2
26	X X	2	0	2
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	117	222

LIMITS (BTN): VINE AVE TO MERCED AVE

OBSERVATION POINT: 1000 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.2</u>	<u>45.3</u>	<u>44.5</u>	M.P.H.
50TH %:	<u>37.1</u>	<u>39.7</u>	<u>38.5</u>	M.P.H.
15TH %:	<u>31.0</u>	<u>34.1</u>	<u>32.5</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>36 - 45</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>59%</u>	<u>69%</u>	<u>62%</u>	
% OVER PACE:	<u>29%</u>	<u>13%</u>	<u>23%</u>	
% UNDER PACE:	<u>12%</u>	<u>18%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>37.10</u>	<u>39.72</u>	<u>38.48</u>	M.P.H.
SAMPLE VARIANCE:	<u>34.42</u>	<u>29.32</u>	<u>33.30</u>	
STANDARD DEVIATION:	<u>5.87</u>	<u>5.42</u>	<u>5.77</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.33</u>	<u>0.25</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.57</u>	<u>0.50</u>	<u>0.39</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 9:00AM TO 9:14AM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X	3	0	3
49	X	1	0	1
48	X X	2	0	2
47	X X	1	1	2
46	X X X X X	5	0	5
45	X X X X X	2	3	5
44	X X X X X X X X X X X X	5	7	12
43	X X X X	3	1	4
42	X X X X X X X X X X X X X X X X X X	9	8	17
41	X X X X X X X X X X X X X X X X X X	6	11	17
40	X X X X X X X X X X X X	6	5	11
39	X X X X X X X X X X X X X X X X X X	13	5	18
38	X X X X X X X X X X X X X X X X X X	9	9	18
37	X X	6	19	25
36	X X	10	9	19
35	X X	13	7	20
34	X X X X X X X X X X X X X X X X X X	9	8	17
33	X X X X X X X X X X X X X X	6	7	13
32	X X X X X X X X X X X X X X	6	7	13
31	X X X X X X X X X X	2	7	9
30	X X X X X X X X X X X X	5	6	11
29	X	0	1	1
28	X	1	0	1
27	X	0	1	1
26		0	0	0
25		0	0	0
24	X	0	1	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		123	123	246

LIMITS (BTN): MERCED AVE TO FRANCISQUITO AVE

OBSERVATION POINT: 1247 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.3</u>	<u>41.4</u>	<u>42.4</u>	M.P.H.
50TH %:	<u>38.2</u>	<u>36.9</u>	<u>37.5</u>	M.P.H.
15TH %:	<u>33.1</u>	<u>32.3</u>	<u>32.6</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>72%</u>	<u>71%</u>	
% OVER PACE:	<u>18%</u>	<u>10%</u>	<u>14%</u>	
% UNDER PACE:	<u>11%</u>	<u>19%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>38.19</u>	<u>36.85</u>	<u>37.52</u>	M.P.H.
SAMPLE VARIANCE:	<u>24.01</u>	<u>19.62</u>	<u>22.17</u>	
STANDARD DEVIATION:	<u>4.90</u>	<u>4.43</u>	<u>4.71</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.16</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.40</u>	<u>0.30</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 12:20PM TO 12:39PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										NB	SB	TOTAL VEHICLES	
65												0	0	0
64	X											1	0	1
63												0	0	0
62												0	0	0
61	X											1	0	1
60												0	0	0
59	X											1	0	1
58												0	0	0
57	X											0	1	1
56	X											1	0	1
55	X											0	1	1
54												0	0	0
53	X	X	X									3	0	3
52												0	0	0
51	X											1	0	1
50	X	X	X	X	X	X	X	X	X	X		6	3	9
49	X	X	X	X	X	X	X	X	X	X		5	4	9
48	X	X	X	X	X							4	2	6
47	X	X	X	X	X	X	X	X	X	X	X	11	3	14
46	X	X	X	X	X	X	X	X	X	X	X	8	5	13
45	X	X	X	X	X	X	X	X	X	X	X	6	10	16
44	X	X	X	X	X	X	X	X	X	X	X	8	6	14
43	X	X	X	X	X	X	X	X	X	X	X	6	12	18
42	X	X	X	X	X	X	X	X	X	X	X	8	4	12
41	X	X	X	X	X	X	X	X	X	X	X	5	6	11
40	X	X	X	X	X	X	X	X	X	X	X	9	10	19
39	X	X	X	X	X	X						5	3	8
38	X	X	X	X	X	X	X					3	7	10
37	X	X	X	X	X	X						5	4	9
36	X	X	X	X	X							3	3	6
35	X	X	X	X	X	X	X					4	6	10
34	X	X	X	X	X							3	4	7
33	X	X	X	X	X							3	4	7
32	X	X	X	X	X	X						4	5	9
31	X	X	X	X	X	X						2	7	9
30	X	X	X	X	X							3	4	7
29	X	X	X									1	3	4
28	X	X										0	2	2
27	X	X										0	2	2
26	X	X	X									0	3	3
25	X	X	X									0	3	3
24												0	0	0
23												0	0	0
22												0	0	0
21												0	0	0
20												0	0	0
19												0	0	0
18												0	0	0
17												0	0	0
16												0	0	0
15												0	0	0
												120	127	247

LIMITS (BTN): FRANCISQUITO AVE TO FAIRGROVE AVE

OBSERVATION POINT: SOUTH HILLS PLAZA

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>49.4</u>	<u>46.0</u>	<u>47.9</u>	M.P.H.
50TH %:	<u>42.5</u>	<u>38.8</u>	<u>40.6</u>	M.P.H.
15TH %:	<u>35.7</u>	<u>31.7</u>	<u>33.4</u>	M.P.H.
10 MPH PACE:	<u>40 - 49</u>	<u>37 - 46</u>	<u>38 - 47</u>	M.P.H.
% IN PACE:	<u>58%</u>	<u>53%</u>	<u>55%</u>	
% OVER PACE:	<u>12%</u>	<u>11%</u>	<u>14%</u>	
% UNDER PACE:	<u>30%</u>	<u>36%</u>	<u>32%</u>	
ARITHMETIC MEAN:	<u>42.54</u>	<u>38.84</u>	<u>40.64</u>	M.P.H.
SAMPLE VARIANCE:	<u>44.10</u>	<u>47.96</u>	<u>49.33</u>	
STANDARD DEVIATION:	<u>6.64</u>	<u>6.93</u>	<u>7.02</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.37</u>	<u>0.38</u>	<u>0.20</u>	
STD. ERROR OF THE MEAN:	<u>0.61</u>	<u>0.61</u>	<u>0.45</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 12:44PM TO 1:05PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	1	0	1
58		0	0	0
57	X	0	1	1
56		0	0	0
55	X	0	1	1
54		0	0	0
53		0	0	0
52	X	0	1	1
51	X	1	0	1
50	X X X X X X X X X	3	6	9
49	X X X X X X X X X X	2	9	11
48	X X X X X X X X X X X X X X	6	8	14
47	X X X X X X X X X X	6	4	10
46	X X X X X X X X X X X X	6	6	12
45	X X X X X X X X X X X X X X	6	8	14
44	X X X X X X X X X X X X X X X X X X	6	13	19
43	X X X X X X X X X X X X	6	6	12
42	X X X X X X X X X X X X X X	10	4	14
41	X X X X X X X X X X	3	6	9
40	X X X X X X X X X X X X X X	4	9	13
39	X X X X X X X X X X X	5	5	10
38	X X X X X X X X X X X X X X	8	4	12
37	X X X X X X X	3	3	6
36	X X X X X X X X	3	4	7
35	X X X X X X	3	2	5
34	X X X X X X X X X X X X	7	4	11
33	X X X X X	3	1	4
32	X X X X X X	4	1	5
31	X X X X X	3	1	4
30	X X X X X X X X X X	5	3	8
29	X	1	0	1
28	X X X X	2	1	3
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	111	218

LIMITS (BTN): FAIRGROVE AVE TO GIAMBI LANE

OBSERVATION POINT: 2100 AZUSA AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>46.8</u>	<u>48.6</u>	<u>47.8</u>	M.P.H.
50TH %:	<u>40.3</u>	<u>42.7</u>	<u>41.5</u>	M.P.H.
15TH %:	<u>33.8</u>	<u>36.8</u>	<u>35.2</u>	M.P.H.
10 MPH PACE:	<u>38 - 47</u>	<u>40 - 49</u>	<u>40 - 49</u>	M.P.H.
% IN PACE:	<u>56%</u>	<u>66%</u>	<u>59%</u>	
% OVER PACE:	<u>12%</u>	<u>8%</u>	<u>6%</u>	
% UNDER PACE:	<u>32%</u>	<u>26%</u>	<u>35%</u>	
ARITHMETIC MEAN:	<u>40.33</u>	<u>42.69</u>	<u>41.53</u>	M.P.H.
SAMPLE VARIANCE:	<u>39.28</u>	<u>32.12</u>	<u>36.88</u>	
STANDARD DEVIATION:	<u>6.27</u>	<u>5.67</u>	<u>6.07</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.37</u>	<u>0.29</u>	<u>0.17</u>	
STD. ERROR OF THE MEAN:	<u>0.61</u>	<u>0.54</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-08-17 DAY: WEDNESDAY TIME PERIOD : 1:10PM TO 1:31PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60	X	1	0	1
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X X	1	1	2
54		0	0	0
53	X X X	0	3	3
52	X	0	1	1
51	X X X X X	0	5	5
50	X X X X X X X X X X X X X	3	10	13
49	X X X X X X X X X X X X X X X	11	4	15
48	X X X X X X X X X X X X X X X X X X	11	7	18
47	X X X X X X X X X X X X X X X X X	8	7	15
46	X X X X X X X X X X	8	2	10
45	X X X X X X X X X X X X X X X X X X X	6	13	19
44	X X X X X X X X X X X X X X	8	5	13
43	X X X X X X X X X X X X X X	8	5	13
42	X X X X X X X X X X X X	7	4	11
41	X X X X X X X X X X X X X X X X X X	7	8	15
40	X X X X X X X X X	3	5	8
39	X X X X X X X X X X X	6	4	10
38	X X X X X X X X	5	2	7
37	X X X X X X X X	4	3	7
36	X X X X X X X X X	4	4	8
35	X X X X X X	3	2	5
34	X X X X X X X	3	3	6
33	X X X X X X	2	3	5
32	X X X	0	2	2
31	X X X X X	0	4	4
30	X X X X	1	2	3
29	X	0	1	1
28	X X	1	1	2
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		111	111	222

LIMITS (BTN): GIAMBI LANE TO AMAR RD

OBSERVATION POINT: HEIGHTS AT WEST COVINA

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>48.7</u>	<u>49.5</u>	<u>49.1</u>	M.P.H.
50TH %:	<u>43.2</u>	<u>42.8</u>	<u>43.0</u>	M.P.H.
15TH %:	<u>37.6</u>	<u>36.1</u>	<u>36.9</u>	M.P.H.
10 MPH PACE:	<u>41 - 50</u>	<u>41 - 50</u>	<u>41 - 50</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>59%</u>	<u>64%</u>	
% OVER PACE:	<u>2%</u>	<u>9%</u>	<u>5%</u>	
% UNDER PACE:	<u>29%</u>	<u>32%</u>	<u>31%</u>	
ARITHMETIC MEAN:	<u>43.15</u>	<u>42.82</u>	<u>42.99</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.48</u>	<u>41.68</u>	<u>34.95</u>	
STANDARD DEVIATION:	<u>5.34</u>	<u>6.46</u>	<u>5.91</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.38</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.61</u>	<u>0.40</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-29-17 DAY: WEDNESDAY TIME PERIOD : 3:27PM TO 3:39PM

LOCATION: AZUSA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	0	1	1
53	X	0	1	1
52		0	0	0
51		0	0	0
50		0	0	0
49	X X	1	1	2
48	X	0	1	1
47		0	0	0
46	X X	1	1	2
45	X	1	0	1
44	X X X X X X	2	4	6
43	X X	0	2	2
42	X X X X X	2	3	5
41	X X X X X X	2	4	6
40	X X X X X X X	2	5	7
39	X X X X X X X X X X	7	4	11
38	X X X X X X X X X	6	3	9
37	X X X X X X X X X X X X X X X X X X	12	6	18
36	X X X X X X X X X X X X X X X X X X	7	9	16
35	X X X X X X X X X X X X X X X X X X	3	14	17
34	X X	12	16	28
33	X X X X X X X X X X X X X X X X X X	10	6	16
32	X X X X X X X X X X X X X X	5	8	13
31	X X X X X X X X X X X X X X	10	3	13
30	X X X X X X X X X X X X X X X X X X	8	8	16
29	X X X X X X X X X X X X	8	3	11
28	X X	2	0	2
27	X X X X X X	4	2	6
26	X	0	1	1
25	X X	1	1	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	107	213

LIMITS (BTN): AMAR RD TO 700' OF TEMPLE AVE

OBSERVATION POINT: 2532 AZUSA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.1</u>	<u>41.2</u>	<u>40.2</u>	M.P.H.
50TH %:	<u>34.4</u>	<u>35.8</u>	<u>35.1</u>	M.P.H.
15TH %:	<u>29.7</u>	<u>30.4</u>	<u>30.0</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>72%</u>	<u>74%</u>	
% OVER PACE:	<u>17%</u>	<u>21%</u>	<u>16%</u>	
% UNDER PACE:	<u>7%</u>	<u>7%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>34.39</u>	<u>35.80</u>	<u>35.10</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.75</u>	<u>27.08</u>	<u>24.33</u>	
STANDARD DEVIATION:	<u>4.56</u>	<u>5.20</u>	<u>4.93</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.25</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.50</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 9:00AM TO 9:27AM

LOCATION: AZUSA CANYON ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42	X X X	1	2	3
41	X X	2	0	2
40		0	0	0
39	X X	0	2	2
38	X X X X X X X X X X	5	4	9
37	X X X X X	3	2	5
36	X X X X X X	0	6	6
35	X X X X X X X X	3	5	8
34	X X X X X X X X X	5	4	9
33	X X X X X X X X X X X X X X	9	5	14
32	X X X X X X X X X X X X X X X X X X	10	8	18
31	X X	12	12	24
30	X X X X X X X X X X X X X X X X X X X X	9	10	19
29	X X	6	16	22
28	X X	6	10	16
27	X X X X X X X X X X X X	6	6	12
26	X X X X X X X X X X X X X X X X X X	9	9	18
25	X X X X X X X X X X X X	8	2	10
24	X X X X	3	1	4
23	X X X X X X	3	3	6
22	X X X X X X	3	3	6
21	X X X X X	3	2	5
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	113	219

LIMITS (BTN): NORTH CITY LIMITS TO SAN BERNARDINO RD

OBSERVATION POINT: 1117 AZUSA CANYON RD **OBSERVER:** CARLOS

POSTED SPEED LIMIT: 35 MPH **WEATHER:** SUNNY

COMMENTS: **ROAD SURFACE:** DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>34.7</u>	<u>35.9</u>	<u>35.3</u>	M.P.H.
50TH %:	<u>29.9</u>	<u>30.6</u>	<u>30.3</u>	M.P.H.
15TH %:	<u>25.1</u>	<u>25.3</u>	<u>25.2</u>	M.P.H.
10 MPH PACE:	<u>25 - 34</u>	<u>26 - 35</u>	<u>25 - 34</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>75%</u>	<u>74%</u>	
% OVER PACE:	<u>13%</u>	<u>15%</u>	<u>16%</u>	
% UNDER PACE:	<u>11%</u>	<u>10%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>29.88</u>	<u>30.60</u>	<u>30.25</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.50</u>	<u>26.24</u>	<u>23.97</u>	
STANDARD DEVIATION:	<u>4.64</u>	<u>5.12</u>	<u>4.90</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.23</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.48</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 9:45AM

LOCATION: BADILLO STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL		
	EB	WB	VEHICLES								VEHICLES		
65	X										1	0	1
64											0	0	0
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57											0	0	0
56	X										1	0	1
55	X										0	1	1
54	X										0	1	1
53											0	0	0
52	X	X									1	1	2
51	X										1	0	1
50	X										0	1	1
49	X										1	0	1
48	X	X	X								0	3	3
47	X	X	X	X							4	0	4
46	X	X	X	X	X	X	X	X	X	X	3	5	8
45	X	X	X	X	X	X	X	X	X	X	6	2	8
44	X	X	X	X	X	X					2	5	7
43	X	X	X	X	X	X	X	X	X	X	9	3	12
42	X	X	X	X	X	X	X	X	X	X	4	4	8
41	X	X	X	X	X	X	X	X	X	X	5	9	14
40	X	X	X	X	X	X	X	X	X	X	6	8	14
39	X	X	X	X	X	X	X	X	X	X	7	10	17
38	X	X	X	X	X	X	X	X	X	X	8	7	15
37	X	X	X	X	X	X	X	X	X	X	10	10	20
36	X	X	X	X	X	X	X	X	X	X	7	8	15
35	X	X	X	X	X	X	X	X	X	X	8	12	20
34	X	X	X	X	X	X					3	6	9
33	X	X	X	X	X	X					5	4	9
32	X	X	X	X	X	X					3	3	6
31	X	X									1	1	2
30	X	X	X	X							3	2	5
29	X	X	X	X							2	3	5
28	X										1	0	1
27	X	X									2	0	2
26	X	X	X	X							3	1	4
25											0	0	0
24											0	0	0
23	X										1	0	1
22											0	0	0
21	X										0	1	1
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											108	111	219

LIMITS (BTN): WEST CITY LIMITS TO ORANGE AVE

OBSERVATION POINT: 1921 BADILLO ST

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>45.3</u>	<u>44.2</u>	<u>44.7</u>	M.P.H.
50TH %:	<u>38.5</u>	<u>38.5</u>	<u>38.5</u>	M.P.H.
15TH %:	<u>31.8</u>	<u>32.8</u>	<u>32.3</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>33 - 42</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>62%</u>	<u>70%</u>	<u>66%</u>	
% OVER PACE:	<u>19%</u>	<u>20%</u>	<u>18%</u>	
% UNDER PACE:	<u>19%</u>	<u>10%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>38.53</u>	<u>38.49</u>	<u>38.51</u>	M.P.H.
SAMPLE VARIANCE:	<u>42.51</u>	<u>30.23</u>	<u>36.12</u>	
STANDARD DEVIATION:	<u>6.52</u>	<u>5.50</u>	<u>6.01</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.39</u>	<u>0.27</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.63</u>	<u>0.52</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 10:39AM TO 11:24AM

LOCATION: BADILLO STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED																TOTAL		
																	EB	WB	VEHICLES
65																	0	0	0
64	X																0	1	1
63																	0	0	0
62																	0	0	0
61	X																1	0	1
60																	0	0	0
59																	0	0	0
58																	0	0	0
57																	0	0	0
56																	0	0	0
55	X	X															1	1	2
54	X	X															0	2	2
53	X																1	0	1
52	X	X	X	X	X												2	4	6
51	X	X															1	1	2
50	X	X	X	X	X	X											4	3	7
49	X	X	X														1	2	3
48	X	X	X	X	X												3	3	6
47	X	X	X	X	X												2	4	6
46	X	X	X	X	X	X	X	X	X	X	X	X	X	X			8	7	15
45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		9	9	18
44	X	X	X	X	X	X											4	4	8
43	X	X	X	X	X	X	X	X	X	X	X	X	X	X			8	4	12
42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		7	13	20
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		6	10	16
40	X	X	X	X	X	X	X	X	X	X	X	X	X	X			9	4	13
39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		11	9	20
38	X	X	X	X	X	X	X	X	X	X	X	X	X	X			7	4	11
37	X	X	X	X	X	X											3	5	8
36	X	X	X	X	X	X	X	X	X	X	X	X	X	X			7	5	12
35	X	X	X	X	X	X	X										6	3	9
34	X	X	X	X													3	1	4
33	X	X	X	X	X	X											4	4	8
32	X	X	X														2	1	3
31	X	X															2	0	2
30	X																1	0	1
29	X																1	0	1
28	X																0	1	1
27																	0	0	0
26	X																1	0	1
25																	0	0	0
24																	0	0	0
23																	0	0	0
22																	0	0	0
21																	0	0	0
20																	0	0	0
19																	0	0	0
18																	0	0	0
17																	0	0	0
16																	0	0	0
15																	0	0	0
																	115	105	220

LIMITS (BTN): WEST CITY LIMITS TO SUNSET AVE

OBSERVATION POINT: 1437 BADILLO ST

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>47.1</u>	<u>48.4</u>	<u>47.7</u>	M.P.H.
50TH %:	<u>41.0</u>	<u>42.4</u>	<u>41.7</u>	M.P.H.
15TH %:	<u>34.9</u>	<u>36.5</u>	<u>35.7</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>37 - 46</u>	<u>37 - 46</u>	M.P.H.
% IN PACE:	<u>63%</u>	<u>66%</u>	<u>64%</u>	
% OVER PACE:	<u>14%</u>	<u>20%</u>	<u>17%</u>	
% UNDER PACE:	<u>23%</u>	<u>14%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>41.02</u>	<u>42.44</u>	<u>41.70</u>	M.P.H.
SAMPLE VARIANCE:	<u>34.37</u>	<u>32.88</u>	<u>34.01</u>	
STANDARD DEVIATION:	<u>5.86</u>	<u>5.73</u>	<u>5.83</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.30</u>	<u>0.31</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.55</u>	<u>0.56</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 11:30AM TO 12:15PM

LOCATION: BADILLO STREET

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X	1	0	1
54		0	0	0
53	X X	1	1	2
52	X X	2	0	2
51	X X	1	1	2
50	X X X X X X	2	4	6
49	X X X X X X X X	6	1	7
48	X X X X X X X X	3	4	7
47	X X X X X X X X X X X X	6	5	11
46	X X X X X X X X X X	4	5	9
45	X X X X X X X X X X X X X X	6	8	14
44	X X X X X X X X X X X	4	6	10
43	X X X X X X X X X X X X X X X X X X	8	8	16
42	X X	12	13	25
41	X X	13	6	19
40	X X	8	10	18
39	X X	11	4	15
38	X X	8	12	20
37	X X	7	8	15
36	X X X X X X X X X X	2	6	8
35	X X	0	2	2
34	X X X X X	3	2	5
33	X X X	3	0	3
32	X	1	0	1
31	X X	2	0	2
30	X	0	1	1
29	X	1	0	1
28	X	0	1	1
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		115	108	223

LIMITS (BTN): SUNSET AVE TO VINCENT AVE

OBSERVATION POINT: 16212 BADILLO ST

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.9</u>	<u>46.3</u>	<u>46.6</u>	M.P.H.
50TH %:	<u>41.8</u>	<u>41.6</u>	<u>41.7</u>	M.P.H.
15TH %:	<u>36.6</u>	<u>36.9</u>	<u>36.7</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>36 - 45</u>	<u>37 - 46</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>75%</u>	<u>72%</u>	
% OVER PACE:	<u>19%</u>	<u>19%</u>	<u>17%</u>	
% UNDER PACE:	<u>10%</u>	<u>6%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>41.76</u>	<u>41.57</u>	<u>41.67</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.01</u>	<u>20.53</u>	<u>22.75</u>	
STANDARD DEVIATION:	<u>5.00</u>	<u>4.53</u>	<u>4.77</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.19</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.44</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 12:20PM TO 1:05PM

LOCATION: BADILLO STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	1	0	1
56		0	0	0
55	X X	1	1	2
54		0	0	0
53	X	1	0	1
52	X X X X X	2	3	5
51	X X X X	1	3	4
50	X X X	1	2	3
49	X X X X X	3	2	5
48	X X X X X X X	2	5	7
47	X X X X X X	3	3	6
46	X X X X X X X X X X X X X X X X X X	8	9	17
45	X X X X X X X X X X X X X X X X X X	6	10	16
44	X X X X X X X X X X X	7	4	11
43	X X X X X X X X X X X	4	7	11
42	X X	9	12	21
41	X X X X X X X X X X X	6	4	10
40	X X	12	7	19
39	X X	10	10	20
38	X X X X X X X X X X X X X X	5	8	13
37	X X X X X X X X X X	4	5	9
36	X X X X X X X X X X	6	3	9
35	X X X X X X	5	1	6
34	X X X X X	3	2	5
33	X X	2	0	2
32	X X X	2	1	3
31	X	1	0	1
30	X X	1	1	2
29	X	0	1	1
28		0	0	0
27	X	1	0	1
26	X	0	1	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	105	212

LIMITS (BTN): VINCENT AVE TO EAST CITY LIMITS

OBSERVATION POINT: 1211 BADILLO ST

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.9</u>	<u>47.6</u>	<u>47.3</u>	M.P.H.
50TH %:	<u>41.3</u>	<u>42.3</u>	<u>41.8</u>	M.P.H.
15TH %:	<u>35.6</u>	<u>36.9</u>	<u>36.3</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>37 - 46</u>	<u>37 - 46</u>	M.P.H.
% IN PACE:	<u>66%</u>	<u>72%</u>	<u>69%</u>	
% OVER PACE:	<u>14%</u>	<u>18%</u>	<u>16%</u>	
% UNDER PACE:	<u>20%</u>	<u>10%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>41.26</u>	<u>42.28</u>	<u>41.76</u>	M.P.H.
SAMPLE VARIANCE:	<u>29.61</u>	<u>26.64</u>	<u>28.27</u>	
STANDARD DEVIATION:	<u>5.44</u>	<u>5.16</u>	<u>5.32</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.28</u>	<u>0.25</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.50</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 3:02PM TO 3:35PM

LOCATION: BARRANCA STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	0	1	1
44		0	0	0
43	X	1	0	1
42	X	1	0	1
41	X	0	1	1
40	X X X X	1	3	4
39	X X X X X X	2	4	6
38	X X X X X X X X X X	4	7	11
37	X X X X X X X X X X	3	9	12
36	X X X X X X X X X X X X	4	11	15
35	X X	14	11	25
34	X X X X X X X X X X X X X X X X X X	10	8	18
33	X X X X X X X X X X X X X X X X X X	13	9	22
32	X X X X X X X X X X X X X X X X X X	11	6	17
31	X X X X X X X X X X X X X X X X X X	9	11	20
30	X X X X X X X X X X X X	8	4	12
29	X X X X X X X X X X X X	7	6	13
28	X X X X X X X X X X	5	5	10
27	X X X X X	2	3	5
26	X X X X X X X X	5	3	8
25	X X X X X X X	2	5	7
24		0	0	0
23	X	1	0	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	107	210

LIMITS (BTN): WORKMAN AVE TO GARVEY AVE SOUTH

OBSERVATION POINT: 225 BARRANCA ST

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>36.3</u>	<u>37.6</u>	<u>37.0</u>	M.P.H.
50TH %:	<u>32.4</u>	<u>33.3</u>	<u>32.9</u>	M.P.H.
15TH %:	<u>28.6</u>	<u>29.0</u>	<u>28.7</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>77%</u>	<u>79%</u>	
% OVER PACE:	<u>9%</u>	<u>8%</u>	<u>7%</u>	
% UNDER PACE:	<u>10%</u>	<u>15%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>32.43</u>	<u>33.29</u>	<u>32.87</u>	M.P.H.
SAMPLE VARIANCE:	<u>13.91</u>	<u>17.38</u>	<u>15.79</u>	
STANDARD DEVIATION:	<u>3.73</u>	<u>4.17</u>	<u>3.97</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.16</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.37</u>	<u>0.40</u>	<u>0.27</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 3:40PM TO 4:06PM

LOCATION: BARRANCA STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X X	2	0	2
47	X	1	0	1
46	X X X	1	2	3
45	X X X X	1	3	4
44	X X X X X X	1	6	7
43	X X X X X X X	3	5	8
42	X X X X X X X	3	4	7
41	X X X X X	1	5	6
40	X X X X X X X X X X	6	5	11
39	X X X X X X X X X X X	7	5	12
38	X X X X X X X X X X X X X	7	7	14
37	X X X X X X X X X X X X X X X X X	11	8	19
36	X X X X X X X X X X X X X X X	8	7	15
35	X X	11	12	23
34	X X X X X X X X X X X X X X X	5	9	14
33	X X X X X X X X X X X X X X X X X	9	8	17
32	X X X X X X X X	3	5	8
31	X X X X X X X X X X X X X	7	5	12
30	X X X X X X X X X X X X X X	8	5	13
29	X X X X X X X X X X X X X	7	5	12
28	X X X X X	3	2	5
27	X	1	0	1
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	108	215

LIMITS (BTN): GARVEY AVE SOUTH TO CORTEZ ST

OBSERVATION POINT: 320 BARRANCA ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.4</u>	<u>41.4</u>	<u>40.9</u>	M.P.H.
50TH %:	<u>35.4</u>	<u>36.5</u>	<u>36.0</u>	M.P.H.
15TH %:	<u>30.5</u>	<u>31.7</u>	<u>31.1</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>32 - 41</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>66%</u>	<u>68%</u>	
% OVER PACE:	<u>18%</u>	<u>19%</u>	<u>23%</u>	
% UNDER PACE:	<u>11%</u>	<u>16%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>35.45</u>	<u>36.52</u>	<u>35.99</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.00</u>	<u>21.97</u>	<u>22.67</u>	
STANDARD DEVIATION:	<u>4.80</u>	<u>4.69</u>	<u>4.76</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.20</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.45</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 3:45PM TO 4:12PM

LOCATION: BARRANCA STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	1	0	1
47	X	1	0	1
46	X	1	0	1
45	X X X	3	0	3
44	X X X X X X	3	3	6
43	X X X X X X X X	5	3	8
42	X X X X X X X	5	2	7
41	X X X X X X X	5	2	7
40	X X X X X X X X X X X	5	6	11
39	X X X X X X X X X X X	5	6	11
38	X X X X X X X X X X X X X	7	6	13
37	X X X X X X X X X X X X X	5	7	12
36	X X X X X X X X X X X X X X X	7	8	15
35	X X X X X X X X X X X X X X X X	9	7	16
34	X X X X X X X X X X X X X X X X	8	7	15
33	X X X X X X X X X X X X X X X X	8	8	16
32	X X X X X X X X X X X X X X X X X	10	7	17
31	X X X X X X X X X X X X X X X X X	6	9	15
30	X X X X X X X X X X	5	5	10
29	X X X X X X X X	2	5	7
28	X X X X X X X X X X X	5	5	10
27	X X X X X	1	3	4
26	X X X X	1	3	4
25	X X X	0	3	3
24	X X X	0	3	3
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	108	216

LIMITS (BTN): CORTEZ ST TO CAMERON AVE

OBSERVATION POINT: 600 BARRANCA ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.3</u>	<u>39.2</u>	<u>40.3</u>	M.P.H.
50TH %:	<u>36.1</u>	<u>34.0</u>	<u>35.0</u>	M.P.H.
15TH %:	<u>30.8</u>	<u>28.7</u>	<u>29.7</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>65%</u>	<u>66%</u>	<u>65%</u>	
% OVER PACE:	<u>22%</u>	<u>9%</u>	<u>16%</u>	
% UNDER PACE:	<u>13%</u>	<u>25%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>36.06</u>	<u>33.95</u>	<u>35.00</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.32</u>	<u>25.39</u>	<u>26.35</u>	
STANDARD DEVIATION:	<u>5.03</u>	<u>5.04</u>	<u>5.13</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.24</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.48</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD : 12:15PM TO 12:36PM

LOCATION: CALIFORNIA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36		0	0	0
35		0	0	0
34		0	0	0
33		0	0	0
32		0	0	0
31	X	1	0	1
30	X	0	1	1
29	X	0	1	1
28	X X	0	2	2
27	X	1	0	1
26	X X X X X X	1	5	6
25	X	1	0	1
24	X X X X X X	2	4	6
23	X X X X X X X X X X X X X X X X X X	4	13	17
22	X X	11	12	23
21	X X	9	15	24
20	X X	14	12	26
19	X X	11	9	20
18	X X	12	14	26
17	X X	16	7	23
16	X X	9	6	15
15	X X	12	3	15
		104	104	208

LIMITS (BTN): GARVEY AVE SOUTH TO WEST COVINA PKWY

OBSERVATION POINT: U.S. POST OFFICE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>22.1</u>	<u>23.8</u>	<u>23.1</u>	M.P.H.
50TH %:	<u>19.0</u>	<u>20.6</u>	<u>19.8</u>	M.P.H.
15TH %:	<u>16.0</u>	<u>17.4</u>	<u>16.6</u>	M.P.H.
10 MPH PACE:	<u>16 - 25</u>	<u>16 - 25</u>	<u>16 - 25</u>	M.P.H.
% IN PACE:	<u>86%</u>	<u>88%</u>	<u>87%</u>	
% OVER PACE:	<u>3%</u>	<u>9%</u>	<u>6%</u>	
% UNDER PACE:	<u>12%</u>	<u>3%</u>	<u>7%</u>	
ARITHMETIC MEAN:	<u>19.05</u>	<u>20.60</u>	<u>19.82</u>	M.P.H.
SAMPLE VARIANCE:	<u>8.78</u>	<u>9.66</u>	<u>9.78</u>	
STANDARD DEVIATION:	<u>2.96</u>	<u>3.11</u>	<u>3.13</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.08</u>	<u>0.09</u>	<u>0.05</u>	
STD. ERROR OF THE MEAN:	<u>0.29</u>	<u>0.30</u>	<u>0.22</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD: 10:35AM TO 11:08AM

LOCATION: CALIFORNIA AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52	X	0	1	1
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	1	0	1
45	X X X X X X	3	3	6
44	X X X X	2	2	4
43	X X X	0	3	3
42	X X X	1	2	3
41	X X X X X X X	3	4	7
40	X X X X X X X X X	4	6	10
39	X X X X X X X X X X	9	3	12
38	X X X X X X X X X X	6	4	10
37	X X	13	10	23
36	X X X X X X X X X X X X X X	6	8	14
35	X X	9	13	22
34	X X X X X X X X X X X	6	5	11
33	X X	12	11	23
32	X X X X X X X X X X X X X X X X X	8	9	17
31	X X X X X X X X	4	4	8
30	X X X X X X X X X X X X X	6	7	13
29	X X X X X X X X	5	2	7
28	X X X X X X X X	4	3	7
27	X X X X	1	3	4
26	X X X	1	2	3
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	105	209

LIMITS (BTN): WEST COVINA PKWY TO CAMERON AVE

OBSERVATION POINT: 644 CALIFORNIA AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.7</u>	<u>40.3</u>	<u>40.0</u>	M.P.H.
50TH %:	<u>35.1</u>	<u>35.3</u>	<u>35.2</u>	M.P.H.
15TH %:	<u>30.6</u>	<u>30.3</u>	<u>30.5</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>70%</u>	<u>73%</u>	
% OVER PACE:	<u>13%</u>	<u>20%</u>	<u>17%</u>	
% UNDER PACE:	<u>11%</u>	<u>10%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>35.14</u>	<u>35.28</u>	<u>35.21</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.98</u>	<u>23.09</u>	<u>20.95</u>	
STANDARD DEVIATION:	<u>4.36</u>	<u>4.80</u>	<u>4.58</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.18</u>	<u>0.22</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.47</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 12:05PM TO 12:34PM

LOCATION: CALIFORNIA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X	0	1	1
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X	0	2	2
44	X X	0	2	2
43	X	0	1	1
42		0	0	0
41	X X	1	1	2
40	X X X X X X X	2	5	7
39	X X X X X X X X	3	5	8
38	X X X X X X X X	3	5	8
37	X X X X X X X X X X X X	3	10	13
36	X X X X X X X X X X X X X X X X	6	10	16
35	X X X X X X X X X X X X X X X X X X	8	10	18
34	X X X X X X X X X X X X X X X X X X X X	13	7	20
33	X X X X X X X X X X X X X X X X X X	8	7	15
32	X X	13	8	21
31	X X	13	8	21
30	X X X X X X X X X X X X X X X X X X X X	9	8	17
29	X X X X X X X X X X X X X X X X X X X X	13	5	18
28	X X X X X X X X X X X X X X X X X X X X	7	6	13
27	X X X X X X X X X X	5	4	9
26	X X X X X X X X X X	6	3	9
25	X X X X X X	3	2	5
24	X	1	0	1
23	X	1	0	1
22	X	1	0	1
21	X X	2	0	2
20	X	1	0	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		122	110	232

LIMITS (BTN): CAMERON AVE TO MERCED AVE

OBSERVATION POINT: 953 CALIFORNIA AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>35.7</u>	<u>39.1</u>	<u>37.5</u>	M.P.H.
50TH %:	<u>31.3</u>	<u>34.0</u>	<u>32.6</u>	M.P.H.
15TH %:	<u>27.0</u>	<u>29.0</u>	<u>27.7</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>28 - 37</u>	<u>28 - 37</u>	M.P.H.
% IN PACE:	<u>78%</u>	<u>72%</u>	<u>74%</u>	
% OVER PACE:	<u>10%</u>	<u>20%</u>	<u>13%</u>	
% UNDER PACE:	<u>12%</u>	<u>8%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>31.34</u>	<u>34.02</u>	<u>32.61</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.45</u>	<u>23.74</u>	<u>22.13</u>	
STANDARD DEVIATION:	<u>4.18</u>	<u>4.87</u>	<u>4.70</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.22</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.38</u>	<u>0.46</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 9:00AM TO 10:03AM

LOCATION: CALVADOS AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36		0	0	0
35		0	0	0
34		0	0	0
33		0	0	0
32		0	0	0
31		0	0	0
30		0	0	0
29	X	1	0	1
28	X X	0	2	2
27	X X X X X X X	0	7	7
26	X X X X X X X X X X X	4	7	11
25	X X X X X X X X X	3	6	9
24	X X X X X X X X X X X X X X	4	10	14
23	X X X X X X X X X X X X X X X X X	10	10	20
22	X X X X X X X X X X X X X X X X X	4	14	18
21	X X X X X X X X X X X X X X X X X X X	9	15	24
20	X X	15	12	27
19	X X	12	10	22
18	X X X X X X X X X X X X X X X X X X X X	14	6	20
17	X X X X X X X X X X X X X X	12	2	14
16	X X X X X X X X X X X X X X	11	2	13
15	X X X X X X X	5	1	6
		104	104	208

LIMITS (BTN): JAMES AVE TO NORMA AVE

OBSERVATION POINT: 129 CALVADOS AVE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>22.8</u>	<u>25.0</u>	<u>24.2</u>	M.P.H.
50TH %:	<u>19.7</u>	<u>22.0</u>	<u>20.8</u>	M.P.H.
15TH %:	<u>16.5</u>	<u>19.0</u>	<u>17.5</u>	M.P.H.
10 MPH PACE:	<u>16 - 25</u>	<u>18 - 27</u>	<u>16 - 25</u>	M.P.H.
% IN PACE:	<u>90%</u>	<u>93%</u>	<u>87%</u>	
% OVER PACE:	<u>5%</u>	<u>2%</u>	<u>10%</u>	
% UNDER PACE:	<u>5%</u>	<u>5%</u>	<u>3%</u>	
ARITHMETIC MEAN:	<u>19.67</u>	<u>22.01</u>	<u>20.84</u>	M.P.H.
SAMPLE VARIANCE:	<u>9.17</u>	<u>8.57</u>	<u>10.20</u>	
STANDARD DEVIATION:	<u>3.03</u>	<u>2.93</u>	<u>3.19</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.09</u>	<u>0.08</u>	<u>0.05</u>	
STD. ERROR OF THE MEAN:	<u>0.30</u>	<u>0.29</u>	<u>0.22</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 9:00AM TO 9:27AM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X	0	2	2
44	X	1	0	1
43	X X X X X X X	4	3	7
42	X X X	1	2	3
41	X X X X X X X	4	3	7
40	X X X X X X X X X X X X X	6	7	13
39	X X X X X X X X X X X X X X X X	9	7	16
38	X X X X X X X X X X X X X X X X	7	6	13
37	X X X X X X X X X X X X X X X X	9	7	16
36	X X X X X X X X X X X X X X X X X X X	12	9	21
35	X X	9	14	23
34	X X X X X X X X X X X X X X X X X X X	9	11	20
33	X X X X X X X X X X X X X X X X	5	8	13
32	X X X X X X X X X X X X X X X X	9	6	15
31	X X X X X X X X X X X X X X X X	7	3	10
30	X X X X X X X X X X X X X X X X	3	7	10
29	X X X X X	1	3	4
28	X X X X X X X X X	5	3	8
27	X X	1	1	2
26	X X X	1	2	3
25	X X	1	1	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	105	209

LIMITS (BTN): PACIFIC AVE TO ORANGE ST

OBSERVATION POINT: FREEWAY UNDERPASS

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.6</u>	<u>39.5</u>	<u>39.5</u>	M.P.H.
50TH %:	<u>35.3</u>	<u>35.1</u>	<u>35.2</u>	M.P.H.
15TH %:	<u>31.0</u>	<u>30.7</u>	<u>30.9</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>32 - 41</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>74%</u>	<u>77%</u>	
% OVER PACE:	<u>10%</u>	<u>7%</u>	<u>10%</u>	
% UNDER PACE:	<u>12%</u>	<u>19%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>35.31</u>	<u>35.12</u>	<u>35.22</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.97</u>	<u>18.03</u>	<u>17.43</u>	
STANDARD DEVIATION:	<u>4.12</u>	<u>4.25</u>	<u>4.17</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.17</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.41</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD: 11:44AM TO 12:05PM

LOCATION: CAMERON AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X X X	2	3	5
49		0	0	0
48	X	0	1	1
47	X X X	2	1	3
46	X X X	3	0	3
45	X X X X X	2	3	5
44	X X	1	1	2
43	X X X X X X X X	3	5	8
42	X X X X	2	2	4
41	X X X X X X	5	1	6
40	X X X X X X X	3	4	7
39	X X X X X X X X X X	5	6	11
38	X X X X X X X X X X X X X X X X X X	5	13	18
37	X X X X X X X X X X X X X X X X X X	12	5	17
36	X X X X X X X X X X X X	5	7	12
35	X X X X X X X X X X X X X X X X X X X X	7	13	20
34	X X X X X X X X X X X X X X X	4	10	14
33	X X X X X X X X X X X X	5	7	12
32	X X X X X X X X	4	4	8
31	X X X X X X X X X X X X X X	7	6	13
30	X X X X X X X X X X X	8	3	11
29	X X X X X X X X	6	2	8
28	X X X X X X X X	6	2	8
27	X X X X X X X X X X X	5	6	11
26	X X X X X X X X X	6	3	9
25	X X X	2	1	3
24	X X X X X X X X	3	5	8
23	X X X X	4	0	4
22		0	0	0
21	X	0	1	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		117	115	232

LIMITS (BTN): ORANGE ST TO SUNSET AVE

OBSERVATION POINT: 1520 CAMERON AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.8</u>	<u>41.3</u>	<u>41.1</u>	M.P.H.
50TH %:	<u>34.1</u>	<u>35.1</u>	<u>34.6</u>	M.P.H.
15TH %:	<u>27.4</u>	<u>28.9</u>	<u>28.1</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>55%</u>	<u>65%</u>	<u>59%</u>	
% OVER PACE:	<u>28%</u>	<u>15%</u>	<u>19%</u>	
% UNDER PACE:	<u>17%</u>	<u>20%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>34.11</u>	<u>35.12</u>	<u>34.61</u>	M.P.H.
SAMPLE VARIANCE:	<u>41.72</u>	<u>36.00</u>	<u>38.97</u>	
STANDARD DEVIATION:	<u>6.46</u>	<u>6.00</u>	<u>6.24</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.36</u>	<u>0.31</u>	<u>0.17</u>	
STD. ERROR OF THE MEAN:	<u>0.60</u>	<u>0.56</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD: 12:40PM TO 12:59PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48		0	0	0
47		0	0	0
46	X X	2	0	2
45	X	0	1	1
44	X X X X	3	1	4
43	X X X X	3	1	4
42	X X X X X	3	2	5
41	X X X X X X X X	5	3	8
40	X X X X X X X	2	5	7
39	X X X X X X X X X X	3	7	10
38	X X X X X X X X	4	4	8
37	X X X X X X X X X X X X X X X X X X	8	10	18
36	X X	14	8	22
35	X X X X X X X X X X X X	2	9	11
34	X X	12	9	21
33	X X X X X X X X X X X X X X X X X X	10	7	17
32	X X X X X X X X X X X X X X	6	7	13
31	X X X X X X X X X X X X X X	4	9	13
30	X X X X X X X X X X X X	3	8	11
29	X X X X X X X X X	4	4	8
28	X X X X X X X X X X	4	5	9
27	X X X X X X X X X X X X	7	5	12
26	X X X X X X X	3	3	6
25	X X X	1	2	3
24	X X X	2	1	3
23	X X	0	2	2
22	X	0	1	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	114	220

LIMITS (BTN): CALIFORNIA AVE TO GLENDORA AVE

OBSERVATION POINT: 929 CAMERON AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.1</u>	<u>38.7</u>	<u>39.4</u>	M.P.H.
50TH %:	<u>34.6</u>	<u>33.6</u>	<u>34.1</u>	M.P.H.
15TH %:	<u>29.0</u>	<u>28.5</u>	<u>28.7</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>63%</u>	<u>68%</u>	<u>65%</u>	
% OVER PACE:	<u>21%</u>	<u>11%</u>	<u>15%</u>	
% UNDER PACE:	<u>16%</u>	<u>20%</u>	<u>20%</u>	
ARITHMETIC MEAN:	<u>34.57</u>	<u>33.58</u>	<u>34.05</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.36</u>	<u>24.03</u>	<u>26.24</u>	
STANDARD DEVIATION:	<u>5.33</u>	<u>4.90</u>	<u>5.12</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.27</u>	<u>0.21</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.52</u>	<u>0.46</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 3:15PM TO 3:31PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X X X	3	0	3
47	X	1	0	1
46	X X X X	3	1	4
45	X X X X	3	1	4
44	X X X	2	1	3
43	X X X X X X X X	4	5	9
42	X X X X X X X X X X	5	7	12
41	X X X X X X X X X	4	6	10
40	X X X X X X X X X X X	3	10	13
39	X X X X X X X X X X X X X X X X	11	8	19
38	X X X X X X X X X X X X X X X X	8	9	17
37	X X X X X X X X X X X X X X X X	8	10	18
36	X X X X X X X X X X X X X X X X	8	10	18
35	X X X X X X X X X X X X X X X X X X	13	9	22
34	X X X X X X X X X X X X X X X X X X	15	8	23
33	X X X X X X X X X X X X X	7	6	13
32	X X X X X X X X X X X X X	7	6	13
31	X X X X X X X X X X	4	6	10
30	X X X X	0	4	4
29		0	0	0
28	X X	2	0	2
27		0	0	0
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		112	107	219

LIMITS (BTN): VALINDA AVE TO LARK ELLEN AVE

OBSERVATION POINT: 1100 CAMERON AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>41.9</u>	<u>40.9</u>	<u>41.4</u>	M.P.H.
50TH %:	<u>37.2</u>	<u>37.0</u>	<u>37.1</u>	M.P.H.
15TH %:	<u>32.4</u>	<u>33.0</u>	<u>32.7</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>33 - 42</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>78%</u>	<u>76%</u>	
% OVER PACE:	<u>19%</u>	<u>7%</u>	<u>16%</u>	
% UNDER PACE:	<u>6%</u>	<u>15%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>37.15</u>	<u>36.98</u>	<u>37.07</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.85</u>	<u>14.64</u>	<u>17.74</u>	
STANDARD DEVIATION:	<u>4.57</u>	<u>3.83</u>	<u>4.21</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.14</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.37</u>	<u>0.28</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 3:35PM TO 3:53PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	0	1	1
55		0	0	0
54		0	0	0
53		0	0	0
52	X	1	0	1
51		0	0	0
50		0	0	0
49		0	0	0
48	X X X	0	3	3
47	X X X	0	3	3
46	X X X X X	0	5	5
45	X X X	0	3	3
44	X X X X X X	2	4	6
43	X X X X X X X	2	5	7
42	X X X X X X X X X	4	5	9
41	X X X X X X X	2	5	7
40	X X X X X X X X X X X	6	5	11
39	X X X X X X X X X X X X X X X X X	10	6	16
38	X X	11	10	21
37	X X	11	10	21
36	X X	10	7	17
35	X X	10	6	16
34	X X	10	5	15
33	X X	11	5	16
32	X X	8	5	13
31	X X	7	10	17
30	X X X	2	1	3
29	X X X X	2	2	4
28	X X	2	0	2
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		111	106	217

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE
OBSERVATION POINT: WEST COVINA HIGH SCHOOL
POSTED SPEED LIMIT: 40 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.0</u>	<u>43.7</u>	<u>42.0</u>	M.P.H.
50TH %:	<u>36.0</u>	<u>38.2</u>	<u>37.1</u>	M.P.H.
15TH %:	<u>31.9</u>	<u>32.7</u>	<u>32.1</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>85%</u>	<u>65%</u>	<u>75%</u>	
% OVER PACE:	<u>10%</u>	<u>32%</u>	<u>21%</u>	
% UNDER PACE:	<u>5%</u>	<u>3%</u>	<u>4%</u>	
ARITHMETIC MEAN:	<u>35.95</u>	<u>38.22</u>	<u>37.06</u>	M.P.H.
SAMPLE VARIANCE:	<u>15.15</u>	<u>28.02</u>	<u>22.62</u>	
STANDARD DEVIATION:	<u>3.89</u>	<u>5.29</u>	<u>4.76</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.26</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.37</u>	<u>0.51</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD: 11:56AM TO 12:17PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58	X	0	1	1
57		0	0	0
56		0	0	0
55	X	0	1	1
54	X X	1	1	2
53	X X X	2	1	3
52		0	0	0
51	X X X	1	2	3
50	X X X X	1	3	4
49	X X	1	1	2
48	X X	1	1	2
47	X X X	1	2	3
46	X X X X	3	1	4
45	X X	10	7	17
44	X X X X X X X X X X X X X X X X	5	9	14
43	X X	6	11	17
42	X X X X X X X X X X X	3	7	10
41	X X X X X X X X X X X X	6	5	11
40	X X X X X X X X X X	5	4	9
39	X X X X X X X X X X X X	8	3	11
38	X X	8	6	14
37	X X X X X X X	2	4	6
36	X X X X X X X	2	4	6
35	X X X X X X X X	4	3	7
34	X X X X X X X X	3	4	7
33	X X X X X X X X X X	6	3	9
32	X X X X X X X X X	5	2	7
31	X X X X X X X X X X X X	4	6	10
30	X X X X X X X X X X X X X	7	4	11
29	X X X X X X X X X X X	4	5	9
28	X X X X X X X X X X X	5	3	8
27	X X X X X	3	1	4
26	X X X	1	2	3
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	107	216

LIMITS (BTN): AZUSA AVE TO HOLLENBECK ST
 OBSERVATION POINT: 2025 CAMERON AVE
 POSTED SPEED LIMIT: 45 MPH
 COMMENTS:
 OBSERVER: CARLOS
 WEATHER: PARTLY CLOUDY
 ROAD SURFACE: DRY
 ROAD CONDITION: FAIR
 DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>44.9</u>	<u>46.6</u>	<u>45.8</u>	M.P.H.
50TH %:	<u>37.9</u>	<u>39.3</u>	<u>38.6</u>	M.P.H.
15TH %:	<u>30.8</u>	<u>32.0</u>	<u>31.4</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>51%</u>	<u>56%</u>	<u>53%</u>	
% OVER PACE:	<u>7%</u>	<u>13%</u>	<u>12%</u>	
% UNDER PACE:	<u>41%</u>	<u>31%</u>	<u>35%</u>	
ARITHMETIC MEAN:	<u>37.86</u>	<u>39.32</u>	<u>38.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>46.56</u>	<u>49.45</u>	<u>48.30</u>	
STANDARD DEVIATION:	<u>6.82</u>	<u>7.03</u>	<u>6.95</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.43</u>	<u>0.46</u>	<u>0.22</u>	
STD. ERROR OF THE MEAN:	<u>0.65</u>	<u>0.68</u>	<u>0.47</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD : 12:20PM TO 12:53PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED												EB	WB	TOTAL VEHICLES		
65															0	0	0
64															0	0	0
63	X														1	0	1
62															0	0	0
61															0	0	0
60	X														1	0	1
59	X														0	1	1
58	X														1	0	1
57	X														1	0	1
56															0	0	0
55	X														1	0	1
54															0	0	0
53	X														0	1	1
52	X														1	0	1
51	X	X													1	1	2
50	X	X	X	X	X										4	2	6
49	X	X	X	X	X										2	4	6
48	X	X	X	X	X										3	2	5
47	X	X	X	X	X	X	X								4	5	9
46	X	X	X	X	X										3	3	6
45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11	8	19
44	X	X	X	X	X	X	X	X							6	5	11
43	X	X	X	X	X	X	X	X							4	6	10
42	X	X	X	X	X	X	X	X	X	X	X				8	7	15
41	X	X	X	X	X	X	X	X	X	X	X				5	8	13
40	X	X	X	X	X	X	X	X	X	X	X	X			4	11	15
39	X	X	X	X	X	X	X	X	X	X	X				8	6	14
38	X	X	X	X	X	X	X								5	4	9
37	X	X	X	X	X	X	X								6	5	11
36	X	X	X	X	X	X	X								3	8	11
35	X	X	X	X	X	X									3	4	7
34	X	X	X	X	X										2	4	6
33	X	X	X	X											4	1	5
32	X	X	X	X	X	X									5	3	8
31	X	X	X	X	X	X									4	3	7
30	X	X	X	X											2	3	5
29	X	X	X												1	2	3
28	X	X													1	1	2
27	X	X													2	0	2
26	X														1	0	1
25	X														1	0	1
24															0	0	0
23															0	0	0
22															0	0	0
21															0	0	0
20															0	0	0
19															0	0	0
18															0	0	0
17															0	0	0
16															0	0	0
15															0	0	0
															109	108	217

LIMITS (BTN): HOLLENBECK ST TO CITRUS ST

OBSERVATION POINT: 2310 CAMERON AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>48.3</u>	<u>46.4</u>	<u>47.4</u>	M.P.H.
50TH %:	<u>40.7</u>	<u>40.4</u>	<u>40.6</u>	M.P.H.
15TH %:	<u>33.1</u>	<u>34.4</u>	<u>33.7</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>55%</u>	<u>63%</u>	<u>59%</u>	
% OVER PACE:	<u>18%</u>	<u>18%</u>	<u>19%</u>	
% UNDER PACE:	<u>27%</u>	<u>19%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>40.72</u>	<u>40.38</u>	<u>40.55</u>	M.P.H.
SAMPLE VARIANCE:	<u>53.87</u>	<u>33.83</u>	<u>43.72</u>	
STANDARD DEVIATION:	<u>7.34</u>	<u>5.82</u>	<u>6.61</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.49</u>	<u>0.31</u>	<u>0.20</u>	
STD. ERROR OF THE MEAN:	<u>0.70</u>	<u>0.56</u>	<u>0.45</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD : 12:57PM TO 1:33PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	1	0	1
58	X	1	0	1
57		0	0	0
56	X	0	1	1
55	X X	2	0	2
54	X	0	1	1
53	X	0	1	1
52	X	1	0	1
51	X X X	1	2	3
50	X X X X	2	2	4
49	X X X X X	4	1	5
48	X X X X X	2	3	5
47	X X X X X X	4	2	6
46	X X X X X X X X X X	5	6	11
45	X X X X X X X X X X X X X X X X X X	10	9	19
44	X X X X X X X X X X X X X X X X X X X X	11	9	20
43	X X X X X X X X X X X X X X X X X X X X	6	9	15
42	X X X X X X X X X X X X X X X X X X X X	4	9	13
41	X X X X X X X X X X X X X X X X X X X X	6	9	15
40	X X X X X X X X X X X X X X X X X X X X	7	6	13
39	X X X X X X X X X	6	2	8
38	X X X X X X X X X	3	5	8
37	X X X X X X X X X X	6	3	9
36	X X X X X	3	1	4
35	X X X X X X X	4	2	6
34	X X X X X X X X	2	5	7
33	X X X X X X X X X X X X	3	7	10
32	X X X X X	2	2	4
31	X X X X X X X X	4	3	7
30	X X	1	1	2
29	X X	2	0	2
28	X	1	0	1
27	X X	1	1	2
26		0	0	0
25	X	0	1	1
24		0	0	0
23		0	0	0
22	X	0	1	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	104	209

LIMITS (BTN): CITRUS ST TO BARRANCA ST

OBSERVATION POINT: 2708 CAMERON AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>48.0</u>	<u>47.2</u>	<u>47.6</u>	M.P.H.
50TH %:	<u>41.4</u>	<u>40.9</u>	<u>41.1</u>	M.P.H.
15TH %:	<u>34.7</u>	<u>34.5</u>	<u>34.6</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>37 - 46</u>	<u>37 - 46</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>64%</u>	<u>63%</u>	
% OVER PACE:	<u>17%</u>	<u>13%</u>	<u>15%</u>	
% UNDER PACE:	<u>22%</u>	<u>23%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>41.35</u>	<u>40.87</u>	<u>41.11</u>	M.P.H.
SAMPLE VARIANCE:	<u>41.19</u>	<u>37.81</u>	<u>39.38</u>	
STANDARD DEVIATION:	<u>6.42</u>	<u>6.15</u>	<u>6.28</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.39</u>	<u>0.36</u>	<u>0.19</u>	
STD. ERROR OF THE MEAN:	<u>0.63</u>	<u>0.60</u>	<u>0.43</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD : 1:37PM TO 2:16PM

LOCATION: CAMERON AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57	X	0	1	1
56		0	0	0
55	X	1	0	1
54		0	0	0
53	X	1	0	1
52	X	0	1	1
51	X X	1	1	2
50	X X X X X	4	1	5
49	X X X X X	2	2	4
48	X X X X X X X	4	3	7
47	X X X X X X X X X X X X X X X X	9	6	15
46	X X	9	13	22
45	X X	5	12	17
44	X X X X X X X X X X X	5	6	11
43	X X	11	7	18
42	X X X X X X X X X X X X X	6	6	12
41	X X X X X X X X X X X	5	5	10
40	X X X X X X X X X X X X X X X X X	8	7	15
39	X X X X X X X X X X X X X	7	5	12
38	X X X X X X X X X X	3	5	8
37	X X X X X X X X X	5	3	8
36	X X X X X X X X	5	2	7
35	X X X X X X	3	2	5
34	X X X X	1	2	3
33	X X X X X	2	3	5
32	X X X X X X X X	5	2	7
31	X X X X X X	2	3	5
30	X X X X X X	4	1	5
29	X X X X X X	3	2	5
28	X X	1	1	2
27	X X	2	0	2
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		115	103	218

LIMITS (BTN): BARRANCA ST TO EAST CITY LIMITS

OBSERVATION POINT: 3205 CAMERON AVE

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>47.3</u>	<u>47.9</u>	<u>47.6</u>	M.P.H.
50TH %:	<u>40.7</u>	<u>41.9</u>	<u>41.2</u>	M.P.H.
15TH %:	<u>34.0</u>	<u>35.8</u>	<u>34.8</u>	M.P.H.
10 MPH PACE:	<u>39 - 48</u>	<u>38 - 47</u>	<u>38 - 47</u>	M.P.H.
% IN PACE:	<u>60%</u>	<u>70%</u>	<u>64%</u>	
% OVER PACE:	<u>8%</u>	<u>10%</u>	<u>11%</u>	
% UNDER PACE:	<u>32%</u>	<u>20%</u>	<u>25%</u>	
ARITHMETIC MEAN:	<u>40.65</u>	<u>41.85</u>	<u>41.22</u>	M.P.H.
SAMPLE VARIANCE:	<u>40.86</u>	<u>34.07</u>	<u>37.84</u>	
STANDARD DEVIATION:	<u>6.39</u>	<u>5.84</u>	<u>6.15</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.36</u>	<u>0.33</u>	<u>0.17</u>	
STD. ERROR OF THE MEAN:	<u>0.60</u>	<u>0.58</u>	<u>0.42</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 11:12AM TO 12:11PM

LOCATION: CHERRYWOOD STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37	X	0	1	1
36		0	0	0
35	X	0	1	1
34	X X	0	2	2
33	X X X X	1	4	5
32	X X	1	1	2
31	X X X X X X X X X X X X X X	2	11	13
30	X X X X X X X X X X X X X X X X X X	10	10	20
29	X X X X X X X X X X X X X X X X X X X X	15	9	24
28	X X X X X X X X X X X X X X X X X X X X	13	8	21
27	X X X X X X X X X X X X X X X X X X	15	5	20
26	X X	14	13	27
25	X X	17	13	30
24	X X X X X X X X X X X X X X X X X X X X	11	10	21
23	X X X X X X X X X X X X X X X X X X X X	17	6	23
22	X X X X X X X X X X X X	7	5	12
21	X X X X X X X X	4	4	8
20	X X X	3	0	3
19		0	0	0
18		0	0	0
17	X X	1	1	2
16	X	1	0	1
15		0	0	0
		132	104	236

LIMITS (BTN): JAMES AVE TO GARVEY AVE SOUTH

OBSERVATION POINT: 122 CHERRYWOOD AVE

POSTED SPEED LIMIT: 30 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>28.9</u>	<u>30.9</u>	<u>29.9</u>	M.P.H.
50TH %:	<u>25.8</u>	<u>27.1</u>	<u>26.4</u>	M.P.H.
15TH %:	<u>22.7</u>	<u>23.3</u>	<u>22.9</u>	M.P.H.
10 MPH PACE:	<u>21 - 30</u>	<u>22 - 31</u>	<u>22 - 31</u>	M.P.H.
% IN PACE:	<u>93%</u>	<u>87%</u>	<u>89%</u>	
% OVER PACE:	<u>3%</u>	<u>9%</u>	<u>5%</u>	
% UNDER PACE:	<u>4%</u>	<u>5%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>25.80</u>	<u>27.09</u>	<u>26.37</u>	M.P.H.
SAMPLE VARIANCE:	<u>9.21</u>	<u>13.21</u>	<u>11.33</u>	
STANDARD DEVIATION:	<u>3.04</u>	<u>3.63</u>	<u>3.37</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.07</u>	<u>0.13</u>	<u>0.05</u>	
STD. ERROR OF THE MEAN:	<u>0.26</u>	<u>0.36</u>	<u>0.22</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 1:30PM TO 2:09PM

LOCATION: CITRUS STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	1	0	1
44	X X X	1	2	3
43	X X X X	3	1	4
42	X X	1	1	2
41	X X X X	2	2	4
40	X X X X X	3	2	5
39	X X X X X X X X X X X X	8	5	13
38	X X X X X X X X X X X X X X	10	5	15
37	X X	12	13	25
36	X X	13	13	26
35	X X	18	10	28
34	X X	11	12	23
33	X X X X X X X X X X X X X X X X X	8	9	17
32	X X X X X X X X X X X	4	7	11
31	X X X X X X X	3	4	7
30	X X X X X X X X X	3	6	9
29	X X X X X	2	2	4
28	X X X	2	1	3
27	X X X	0	3	3
26	X X X	1	2	3
25	X X	0	2	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	102	208

LIMITS (BTN): WORKMAN AVE TO GARVEY AVE SOUTH

OBSERVATION POINT: 235 CITRUS ST

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.3</u>	<u>38.6</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>35.7</u>	<u>34.5</u>	<u>35.1</u>	M.P.H.
15TH %:	<u>32.1</u>	<u>30.4</u>	<u>31.3</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>85%</u>	<u>82%</u>	<u>84%</u>	
% OVER PACE:	<u>8%</u>	<u>8%</u>	<u>9%</u>	
% UNDER PACE:	<u>8%</u>	<u>10%</u>	<u>7%</u>	
ARITHMETIC MEAN:	<u>35.71</u>	<u>34.52</u>	<u>35.13</u>	M.P.H.
SAMPLE VARIANCE:	<u>11.89</u>	<u>15.48</u>	<u>13.94</u>	
STANDARD DEVIATION:	<u>3.45</u>	<u>3.93</u>	<u>3.73</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.11</u>	<u>0.15</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.33</u>	<u>0.39</u>	<u>0.26</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD: 3:15PM TO 3:41PM

LOCATION: CITRUS STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	0	1	1
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47		0	0	0
46		0	0	0
45	X X X	3	0	3
44	X	1	0	1
43	X	1	0	1
42	X X X X X X X X	2	7	9
41	X X X X	1	3	4
40	X X X X X X X	6	1	7
39	X X X X X X X X	3	5	8
38	X X X X X X X X X X X X X X X X	9	6	15
37	X X	11	11	22
36	X X	10	13	23
35	X X	14	12	26
34	X X	13	12	25
33	X X X X X X X X X X X X X X	8	6	14
32	X X X X X X X X X X X X X X X X X	8	9	17
31	X X X X X X X X X X X X	6	6	12
30	X X X X X X X X X X X X X	5	8	13
29	X X X X X X X X	3	4	7
28	X	1	0	1
27	X X	1	1	2
26	X	0	1	1
25		0	0	0
24	X	0	1	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	108	214

LIMITS (BTN): GARVEY AVE SOUTH TO CORTEZ ST

OBSERVATION POINT: 514 CITRUS ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.2</u>	<u>39.6</u>	<u>39.4</u>	M.P.H.
50TH %:	<u>35.3</u>	<u>35.1</u>	<u>35.2</u>	M.P.H.
15TH %:	<u>31.4</u>	<u>30.6</u>	<u>31.0</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>83%</u>	<u>81%</u>	<u>82%</u>	
% OVER PACE:	<u>8%</u>	<u>12%</u>	<u>13%</u>	
% UNDER PACE:	<u>9%</u>	<u>6%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>35.31</u>	<u>35.09</u>	<u>35.20</u>	M.P.H.
SAMPLE VARIANCE:	<u>13.91</u>	<u>18.87</u>	<u>16.35</u>	
STANDARD DEVIATION:	<u>3.73</u>	<u>4.34</u>	<u>4.04</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.13</u>	<u>0.17</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.36</u>	<u>0.42</u>	<u>0.28</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 2:50PM TO 3:11PM

LOCATION: CITRUS STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49		0	0	0
48	X X X	2	1	3
47	X X X	2	1	3
46	X X X X X	4	1	5
45	X X X X X X X X X X	5	5	10
44	X X X X X X X	2	5	7
43	X X X X X X X X X X	5	5	10
42	X X X X X X X X X X X	6	5	11
41	X X X X X X X X X X X X	6	6	12
40	X X X X X X X X X X X X X X X X	8	10	18
39	X X X X X X X X X X X X X X X X X	9	10	19
38	X X X X X X X X X X X X X X X X X	12	7	19
37	X X X X X X X X X X X X X X X X	9	7	16
36	X X X X X X X X X X X X X X X X X	9	10	19
35	X X X X X X X X X X X X X X X	7	7	14
34	X X X X X X X X X X X X X X	7	6	13
33	X X X X X X X X X X X X X X	5	8	13
32	X X X X X X X X X	3	5	8
31	X X X X X X X X X X X	4	6	10
30	X X	0	2	2
29	X X	0	2	2
28		0	0	0
27		0	0	0
26	X	1	0	1
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	109	217

LIMITS (BTN): CORTEZ ST TO CAMERON AVE

OBSERVATION POINT: 621 CITRUS ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.3</u>	<u>42.3</u>	<u>42.8</u>	M.P.H.
50TH %:	<u>38.5</u>	<u>37.7</u>	<u>38.1</u>	M.P.H.
15TH %:	<u>33.6</u>	<u>33.1</u>	<u>33.3</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>70%</u>	<u>71%</u>	
% OVER PACE:	<u>15%</u>	<u>17%</u>	<u>18%</u>	
% UNDER PACE:	<u>13%</u>	<u>14%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>38.45</u>	<u>37.70</u>	<u>38.07</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.82</u>	<u>19.81</u>	<u>20.86</u>	
STANDARD DEVIATION:	<u>4.67</u>	<u>4.45</u>	<u>4.57</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.18</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.43</u>	<u>0.31</u>	M.P.H.

* * * P A C E * * *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD: 2:20PM TO 2:47PM

LOCATION: CITRUS STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	0	1	1
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48	X	1	0	1
47	X X X X X	2	3	5
46	X	1	0	1
45	X X X X	2	2	4
44	X X X X	2	2	4
43	X X X X X X X X X X	5	5	10
42	X X X X X X X X X X	5	5	10
41	X X X X X X X X X X	5	5	10
40	X X X X X X X X X X X X X X X X X X	8	10	18
39	X X X X X X X X X X X X	5	7	12
38	X X X X X X X X X X X X X X	6	7	13
37	X X X X X X X X X X X X X X X X X X	12	7	19
36	X X X X X X X X X X X X X X X X X X	11	7	18
35	X X X X X X X X X X X X X X X X X X	9	8	17
34	X X X X X X X X X X X X X X X X X X X X	9	12	21
33	X X X X X X X X X X	5	5	10
32	X X X X X X X X X X	4	5	9
31	X X X X X	3	2	5
30	X X X X X X X	2	5	7
29	X X X X	2	1	3
28	X X X X X	1	4	5
27	X X X X	2	2	4
26	X	0	1	1
25	X X	2	0	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	106	211

LIMITS (BTN): CAMERON AVE TO VINE AVE

OBSERVATION POINT: 822 CITRUS ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.0</u>	<u>42.1</u>	<u>42.1</u>	M.P.H.
50TH %:	<u>37.0</u>	<u>36.8</u>	<u>36.9</u>	M.P.H.
15TH %:	<u>32.0</u>	<u>31.5</u>	<u>31.7</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>69%</u>	<u>70%</u>	
% OVER PACE:	<u>9%</u>	<u>8%</u>	<u>8%</u>	
% UNDER PACE:	<u>20%</u>	<u>24%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>37.00</u>	<u>36.80</u>	<u>36.90</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.71</u>	<u>26.39</u>	<u>24.95</u>	
STANDARD DEVIATION:	<u>4.87</u>	<u>5.14</u>	<u>4.99</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.25</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.50</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 12:35PM TO 2:17PM

LOCATION: CITRUS STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED										NB	SB	TOTAL VEHICLES	
65												0	0	0
64												0	0	0
63												0	0	0
62												0	0	0
61	X											0	1	1
60												0	0	0
59												0	0	0
58												0	0	0
57												0	0	0
56												0	0	0
55	X											0	1	1
54	X											0	1	1
53	X											1	0	1
52	X											0	1	1
51	X	X										0	2	2
50	X											1	0	1
49	X											1	0	1
48	X	X	X	X	X							4	2	6
47	X	X	X	X	X							3	3	6
46	X	X	X	X	X							4	2	6
45	X	X	X	X	X	X						3	5	8
44	X	X	X	X	X	X						3	5	8
43	X	X	X	X	X	X	X	X	X	X		7	8	15
42	X	X	X	X	X	X	X	X	X	X		5	5	10
41	X	X	X	X	X	X	X	X	X	X		5	6	11
40	X	X	X	X	X	X	X	X	X	X	X	8	10	18
39	X	X	X	X	X	X	X	X	X	X	X	5	10	15
38	X	X	X	X	X	X	X	X	X	X		5	5	10
37	X	X	X	X	X	X	X	X	X	X		5	5	10
36	X	X	X	X	X	X	X	X	X	X	X	9	5	14
35	X	X	X	X	X	X	X	X	X	X	X	10	10	20
34	X	X	X	X	X	X						4	5	9
33	X	X	X	X	X	X						2	5	7
32	X	X	X	X	X	X	X	X	X	X		10	3	13
31	X	X	X	X	X	X						4	3	7
30	X	X	X	X	X							2	4	6
29	X	X										2	0	2
28												0	0	0
27	X	X	X	X								0	4	4
26												0	0	0
25												0	0	0
24												0	0	0
23												0	0	0
22												0	0	0
21	X	X										0	2	2
20												0	0	0
19												0	0	0
18												0	0	0
17												0	0	0
16												0	0	0
15												0	0	0
												103	113	216

LIMITS (BTN): VINE AVE TO HILLSIDE DR

OBSERVATION POINT: 2953 CITRUS ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.3</u>	<u>45.6</u>	<u>45.0</u>	M.P.H.
50TH %:	<u>38.6</u>	<u>38.8</u>	<u>38.7</u>	M.P.H.
15TH %:	<u>33.0</u>	<u>32.0</u>	<u>32.5</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>35 - 44</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>61%</u>	<u>61%</u>	
% OVER PACE:	<u>19%</u>	<u>16%</u>	<u>20%</u>	
% UNDER PACE:	<u>19%</u>	<u>23%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>38.64</u>	<u>38.82</u>	<u>38.74</u>	M.P.H.
SAMPLE VARIANCE:	<u>29.70</u>	<u>42.90</u>	<u>36.45</u>	
STANDARD DEVIATION:	<u>5.45</u>	<u>6.55</u>	<u>6.04</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.38</u>	<u>0.17</u>	
STD. ERROR OF THE MEAN:	<u>0.54</u>	<u>0.62</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 2:08PM TO 3:12PM

LOCATION: CORTEZ STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	0	1	1
49	X	0	1	1
48	X	1	0	1
47	X X	1	1	2
46	X X X	1	2	3
45	X X X X X	2	3	5
44	X X X X X X X X X	5	5	10
43	X X X X X X X X X X	4	7	11
42	X X X X X X X X X X X X	8	7	15
41	X X X X X X X X X X X X X X X	9	8	17
40	X X X X X X X X X X X X X X X X X X	11	11	22
39	X X X X X X X X X X X X X X X X X X	13	9	22
38	X X X X X X X X X X X X X X X X X X	10	8	18
37	X X X X X X X X X X X X X X X X X X	7	12	19
36	X X X X X X X X X X	6	4	10
35	X X X X X X X X X X X X X X X X X X	5	11	16
34	X X X X X X X X X X	3	6	9
33	X X X X X X X X	6	1	7
32	X X X X X X X X X X	4	5	9
31	X X X X X X X	3	3	6
30	X X X X X	3	1	4
29	X	1	0	1
28	X	0	1	1
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22	X	1	0	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	107	211

LIMITS (BTN): AZUSA AVE TO HOLLENBECK ST

OBSERVATION POINT: 2100 CORTEZ ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.7</u>	<u>43.0</u>	<u>42.9</u>	M.P.H.
50TH %:	<u>38.1</u>	<u>38.6</u>	<u>38.4</u>	M.P.H.
15TH %:	<u>33.6</u>	<u>34.2</u>	<u>33.9</u>	M.P.H.
10 MPH PACE:	<u>35 - 44</u>	<u>34 - 43</u>	<u>35 - 44</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>78%</u>	<u>76%</u>	
% OVER PACE:	<u>5%</u>	<u>12%</u>	<u>6%</u>	
% UNDER PACE:	<u>20%</u>	<u>10%</u>	<u>18%</u>	
ARITHMETIC MEAN:	<u>38.14</u>	<u>38.62</u>	<u>38.38</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.23</u>	<u>18.03</u>	<u>18.59</u>	
STANDARD DEVIATION:	<u>4.39</u>	<u>4.25</u>	<u>4.31</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.18</u>	<u>0.17</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.41</u>	<u>0.30</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 12:55PM TO 2:04PM

LOCATION: CORTEZ STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED																TOTAL			
																	EB	WB	VEHICLES	
65																		0	0	0
64																		0	0	0
63																		0	0	0
62																		0	0	0
61																		0	0	0
60																		0	0	0
59																		0	0	0
58																		0	0	0
57																		0	0	0
56																		0	0	0
55	X																	0	1	1
54																		0	0	0
53																		0	0	0
52																		0	0	0
51																		0	0	0
50	X	X																0	2	2
49	X	X																0	2	2
48	X	X																0	2	2
47	X	X	X	X	X	X	X	X										4	4	8
46	X	X	X															2	1	3
45	X	X	X	X														0	5	5
44	X	X	X	X	X													5	1	6
43	X	X	X	X	X	X	X											5	4	9
42	X	X	X	X	X	X	X											2	6	8
41	X	X	X	X	X													3	3	6
40	X	X	X	X	X	X	X	X										6	4	10
39	X	X	X	X	X	X	X	X	X	X								9	3	12
38	X	X	X	X	X	X	X	X	X	X	X							5	7	12
37	X	X	X	X	X	X	X	X	X									6	5	11
36	X	X	X	X	X	X	X	X	X	X								8	5	13
35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		13	10	23
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			9	10	19
33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			8	10	18
32	X	X	X	X	X	X	X	X	X	X								5	7	12
31	X	X	X	X	X	X												3	5	8
30	X	X	X	X	X	X	X											4	5	9
29	X	X	X	X	X													4	1	5
28	X	X	X	X														3	2	5
27	X	X	X	X	X													2	4	6
26	X																	1	0	1
25																		0	0	0
24																		0	0	0
23																		0	0	0
22																		0	0	0
21																		0	0	0
20																		0	0	0
19																		0	0	0
18																		0	0	0
17																		0	0	0
16																		0	0	0
15																		0	0	0
																		107	109	216

LIMITS (BTN): HOLLENBECK ST TO CITRUS ST

OBSERVATION POINT: 2348 CORTEZ ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>41.6</u>	<u>43.4</u>	<u>42.5</u>	M.P.H.
50TH %:	<u>36.4</u>	<u>37.1</u>	<u>36.8</u>	M.P.H.
15TH %:	<u>31.2</u>	<u>30.9</u>	<u>31.0</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>30 - 39</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>61%</u>	<u>64%</u>	
% OVER PACE:	<u>17%</u>	<u>32%</u>	<u>24%</u>	
% UNDER PACE:	<u>16%</u>	<u>6%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>36.36</u>	<u>37.15</u>	<u>36.76</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.05</u>	<u>36.64</u>	<u>30.91</u>	
STANDARD DEVIATION:	<u>5.00</u>	<u>6.05</u>	<u>5.56</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.34</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.58</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD: 11:34AM TO 12:51PM

LOCATION: CORTEZ STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X X	0	2	2
48	X X X X	0	4	4
47		0	0	0
46	X X X	0	3	3
45	X	0	1	1
44	X X X X	1	3	4
43	X X X X	0	4	4
42	X X X X X X X X X X	2	8	10
41	X X X X X X X	3	4	7
40	X X X X X X X X X X X X X	5	8	13
39	X X X X X X X X X X	1	9	10
38	X X X X X X X X X X X X X X	3	11	14
37	X X X X X X	4	2	6
36	X X X X X X X X X X X X X X	4	10	14
35	X X X X X X X X X X X X X X X X X X	9	11	20
34	X X X X X X X X X X X X X X X X X X	13	5	18
33	X X	18	6	24
32	X X X X X X X X X X X X X X X X	12	3	15
31	X X X X X X	3	3	6
30	X X X X X X X X X X X X X X X	11	3	14
29	X X X X X X	3	2	5
28	X X X X X X X X	5	3	8
27	X X X X X X X X X X	8	1	9
26	X X X	1	2	3
25	X X X	3	0	3
24	X	0	1	1
23	X X	1	1	2
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		110	110	220

LIMITS (BTN): CITRUS ST TO BARRANCA AVE

OBSERVATION POINT: 2642 CORTEZ ST

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.3</u>	<u>43.0</u>	<u>40.7</u>	M.P.H.
50TH %:	<u>32.9</u>	<u>37.3</u>	<u>35.1</u>	M.P.H.
15TH %:	<u>28.6</u>	<u>31.5</u>	<u>29.5</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>33 - 42</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>78%</u>	<u>67%</u>	<u>64%</u>	
% OVER PACE:	<u>17%</u>	<u>15%</u>	<u>13%</u>	
% UNDER PACE:	<u>5%</u>	<u>17%</u>	<u>23%</u>	
ARITHMETIC MEAN:	<u>32.92</u>	<u>37.27</u>	<u>35.10</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.47</u>	<u>30.71</u>	<u>28.74</u>	
STANDARD DEVIATION:	<u>4.18</u>	<u>5.54</u>	<u>5.36</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.28</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.53</u>	<u>0.36</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 9:55AM TO 11:28AM

LOCATION: CORTEZ STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	0	1	1
48	X X	0	2	2
47		0	0	0
46	X X X X X	0	5	5
45	X X	0	2	2
44	X X X	1	2	3
43	X X X X X X X X X	5	4	9
42	X X X X X X X X X X X	2	9	11
41	X X X X X X X X	3	5	8
40	X X X X X X X X X X	4	6	10
39	X X X X X X X X X X X X X X	7	8	15
38	X X X X X X X X X X X X	5	7	12
37	X X X X X X X X X X X X X X X X	8	10	18
36	X X X X X X X X X X X X X X	8	6	14
35	X X X X X X X X X X X X X X X X X X X X	12	9	21
34	X X X X X X X X X X X X X	9	4	13
33	X X X X X X X X X X X X	7	5	12
32	X X X X X X X X X X X X X X X X	10	6	16
31	X X X X X X X X X X X X X X X X X	6	10	16
30	X X X X X	4	1	5
29	X X X X X X X X X	8	1	9
28	X	1	0	1
27	X X X	1	2	3
26		0	0	0
25	X X	0	2	2
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		102	107	209

LIMITS (BTN): BARRANCA AVE TO GRAND AVE

OBSERVATION POINT: 3428 CORTEZ ST

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.3</u>	<u>42.7</u>	<u>41.2</u>	M.P.H.
50TH %:	<u>35.0</u>	<u>37.3</u>	<u>36.2</u>	M.P.H.
15TH %:	<u>30.7</u>	<u>32.0</u>	<u>31.2</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>66%</u>	<u>70%</u>	
% OVER PACE:	<u>22%</u>	<u>28%</u>	<u>20%</u>	
% UNDER PACE:	<u>3%</u>	<u>6%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>34.97</u>	<u>37.32</u>	<u>36.17</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.32</u>	<u>26.58</u>	<u>23.34</u>	
STANDARD DEVIATION:	<u>4.16</u>	<u>5.16</u>	<u>4.83</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.25</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.50</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-30-17 DAY: THURSDAY TIME PERIOD : 2:26PM TO 4:26PM

LOCATION: EVENINGSIDE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36		0	0	0
35	X	1	0	1
34	X X X X	1	3	4
33	X X X X X	2	3	5
32	X X X X X	2	3	5
31	X X X X X	2	3	5
30	X X X X X	2	3	5
29	X X X X X X	3	3	6
28	X X X X X X	3	3	6
27	X X X X X X X X	3	5	8
26	X X X X X X X X	5	3	8
25	X X X X X X X X	5	2	7
24	X X X X X X X X	5	3	8
23	X X X X X X X X	5	3	8
22	X X X	2	1	3
21	X	0	1	1
20	X	1	0	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		42	39	81

LIMITS (BTN): FAIRGROVE AVE TO BRENTWOOD DR

OBSERVATION POINT: 1322 EVENINGSIDE DR

POSTED SPEED LIMIT: 30 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>30.6</u>	<u>32.0</u>	<u>31.3</u>	M.P.H.
50TH %:	<u>26.8</u>	<u>28.2</u>	<u>27.5</u>	M.P.H.
15TH %:	<u>23.0</u>	<u>24.3</u>	<u>23.6</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>25 - 34</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>83%</u>	<u>79%</u>	<u>81%</u>	
% OVER PACE:	<u>10%</u>	<u>0%</u>	<u>12%</u>	
% UNDER PACE:	<u>7%</u>	<u>21%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>26.83</u>	<u>28.15</u>	<u>27.47</u>	M.P.H.
SAMPLE VARIANCE:	<u>13.36</u>	<u>13.55</u>	<u>13.73</u>	
STANDARD DEVIATION:	<u>3.66</u>	<u>3.68</u>	<u>3.71</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.32</u>	<u>0.35</u>	<u>0.17</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.59</u>	<u>0.41</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD : 9:00AM TO 10:13AM

LOCATION: FAIRGROVE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43	X X X	3	0	3
42	X X X X X X X X X X	5	5	10
41	X X X X X X X X X X	5	5	10
40	X X X X X X X X X X X X X X X X X X	10	8	18
39	X X X X X X X X X X X X X X X X X X	9	8	17
38	X X X X X X X X X X X X X X X X X X	10	8	18
37	X X X X X X X X X X X X X X X X X X X X	12	9	21
36	X X X X X X X X X X X X X X X X X X	9	9	18
35	X X X X X X X X X X X X X X X X X X X X	9	12	21
34	X X X X X X X X X X X X X X X X X X X X	9	10	19
33	X X X X X X X X X X X X X X X X X X X X	10	11	21
32	X X X X X X X X X X X X X X X X X X	7	8	15
31	X X X X X X X X X X X X X X X X X X	5	8	13
30	X X X X X X X X X X X X	5	6	11
29	X X X X X X X X	1	6	7
28	X X	0	2	2
27		0	0	0
26		0	0	0
25	X X	0	2	2
24	X	0	1	1
23		0	0	0
22	X	1	0	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		110	118	228

LIMITS (BTN): LARK ELLEN AVE TO KAUAI ST

OBSERVATION POINT: 1404 FAIRGROVE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.0</u>	<u>39.1</u>	<u>39.6</u>	M.P.H.
50TH %:	<u>36.1</u>	<u>34.9</u>	<u>35.5</u>	M.P.H.
15TH %:	<u>32.2</u>	<u>30.7</u>	<u>31.4</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>77%</u>	<u>79%</u>	
% OVER PACE:	<u>7%</u>	<u>8%</u>	<u>10%</u>	
% UNDER PACE:	<u>11%</u>	<u>14%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>36.13</u>	<u>34.91</u>	<u>35.50</u>	M.P.H.
SAMPLE VARIANCE:	<u>14.13</u>	<u>16.31</u>	<u>15.56</u>	
STANDARD DEVIATION:	<u>3.76</u>	<u>4.04</u>	<u>3.95</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.13</u>	<u>0.14</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.36</u>	<u>0.37</u>	<u>0.26</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD : 10:20AM TO 11:24AM

LOCATION: FAIRGROVE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44	X X	0	2	2
43	X X X X	2	2	4
42	X X X X	2	2	4
41	X X X X X	2	3	5
40	X X X X X X X X	2	6	8
39	X X X X X X	2	4	6
38	X X X X X X X X X X	2	8	10
37	X X X X X X X X X X X X	5	8	13
36	X X X X X X X X X X X X X X X X X X	10	9	19
35	X X	9	15	24
34	X X	9	10	19
33	X X	11	15	26
32	X X	10	8	18
31	X X	10	8	18
30	X X	7	7	14
29	X X X X X X X X X X X	5	5	10
28	X X X X X X X X X X X X	5	5	10
27	X X X X X X X X	4	3	7
26	X X X X X X X	3	3	6
25	X X X X X	2	2	4
24	X X	0	2	2
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		102	127	229

LIMITS (BTN): KAUAI ST TO AZUSA AVE

OBSERVATION POINT: 1500 FAIRGROVE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.3</u>	<u>38.6</u>	<u>38.0</u>	M.P.H.
50TH %:	<u>33.1</u>	<u>34.0</u>	<u>33.6</u>	M.P.H.
15TH %:	<u>28.9</u>	<u>29.4</u>	<u>29.2</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>73%</u>	<u>75%</u>	
% OVER PACE:	<u>12%</u>	<u>15%</u>	<u>13%</u>	
% UNDER PACE:	<u>9%</u>	<u>12%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>33.10</u>	<u>33.99</u>	<u>33.59</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.45</u>	<u>19.37</u>	<u>18.19</u>	
STANDARD DEVIATION:	<u>4.06</u>	<u>4.40</u>	<u>4.26</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.39</u>	<u>0.28</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 9:00AM TO 9:55AM

LOCATION: FAIRWAY LANE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	1	0	1
44		0	0	0
43	X	1	0	1
42		0	1	1
41	X X	1	1	2
40	X X X X X X X X X X X X X X	10	2	12
39	X X X X X	5	0	5
38	X X X X X X X	1	6	7
37	X X X X X	2	3	5
36	X X X X X X X X X X X X X X X X X X	8	9	17
35	X X X X X X X X X X X X X X X X X X	8	5	13
34	X X X X X X X X	2	6	8
33	X X	13	10	23
32	X X X X X X X X X X X X X X X X X X	9	6	15
31	X X X X X X X X X X	5	4	9
30	X X	11	11	22
29	X X X X X X X X X X X X	7	4	11
28	X X	4	11	15
27	X X X X X X X X X X X X X X X X X X	8	8	16
26	X X X X X X X X	3	4	7
25	X X X X X X X X	4	3	7
24	X X	0	2	2
23	X X X X X X X X X X	1	8	9
22	X	0	1	1
21	X X X X	0	4	4
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	109	213

LIMITS (BTN): GARVEY AVENUE NORTH TO GRAND AVE

OBSERVATION POINT: 120 FAIRWAY LN

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>37.6</u>	<u>35.8</u>	<u>36.8</u>	M.P.H.
50TH %:	<u>32.8</u>	<u>30.6</u>	<u>31.7</u>	M.P.H.
15TH %:	<u>27.9</u>	<u>25.4</u>	<u>26.5</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>27 - 36</u>	<u>27 - 36</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>68%</u>	<u>70%</u>	
% OVER PACE:	<u>20%</u>	<u>12%</u>	<u>16%</u>	
% UNDER PACE:	<u>8%</u>	<u>20%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>32.75</u>	<u>30.62</u>	<u>31.66</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.00</u>	<u>25.26</u>	<u>24.69</u>	
STANDARD DEVIATION:	<u>4.69</u>	<u>5.03</u>	<u>4.97</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.23</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.48</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-29-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 11:00AM

LOCATION: FRANCESCA DRIVE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38	X	1	0	1
37		0	0	0
36		0	0	0
35		0	0	0
34	X	0	1	1
33	X X X X X	3	2	5
32	X X	0	2	2
31	X X	0	2	2
30	X X	1	1	2
29	X X X X	3	1	4
28	X X X X X X X	5	2	7
27	X X X X	2	2	4
26	X X X X X X X X	7	1	8
25	X X X X X X X X	5	3	8
24	X X X X X X X	3	4	7
23	X X X X X X X X X X	7	4	11
22	X X X X X X X X X X	6	4	10
21	X X X X X X X X	4	4	8
20	X X X X X	5	0	5
19	X X	2	0	2
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		54	33	87

LIMITS (BTN): WOODGATE DR TO NOGALES ST

OBSERVATION POINT: 2200 FRANCESCA DR

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>29.0</u>	<u>30.2</u>	<u>29.4</u>	M.P.H.
50TH %:	<u>24.9</u>	<u>25.9</u>	<u>25.3</u>	M.P.H.
15TH %:	<u>20.7</u>	<u>21.7</u>	<u>21.1</u>	M.P.H.
10 MPH PACE:	<u>20 - 29</u>	<u>21 - 30</u>	<u>20 - 29</u>	M.P.H.
% IN PACE:	<u>87%</u>	<u>79%</u>	<u>83%</u>	
% OVER PACE:	<u>9%</u>	<u>21%</u>	<u>15%</u>	
% UNDER PACE:	<u>4%</u>	<u>0%</u>	<u>2%</u>	
ARITHMETIC MEAN:	<u>24.85</u>	<u>25.94</u>	<u>25.26</u>	M.P.H.
SAMPLE VARIANCE:	<u>15.83</u>	<u>16.81</u>	<u>16.29</u>	
STANDARD DEVIATION:	<u>3.98</u>	<u>4.10</u>	<u>4.04</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.51</u>	<u>0.19</u>	
STD. ERROR OF THE MEAN:	<u>0.54</u>	<u>0.71</u>	<u>0.43</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 9:00AM TO 9:20AM

LOCATION: FRANCISQUITO AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X	1	0	1
54		0	0	0
53	X	1	0	1
52	X X	1	1	2
51	X	0	1	1
50	X X	0	2	2
49	X X	2	0	2
48	X X X	0	3	3
47	X X X X X X X	1	7	8
46	X X X X X	2	4	6
45	X X X X X X X X X	5	5	10
44	X X X X	3	1	4
43	X X X X X X X X X X X X X X X X	11	6	17
42	X X X X X X X X X	6	3	9
41	X X X X X X X X X X X X X X X X X X	12	6	18
40	X X X X X X X X X X X X X X X X	8	8	16
39	X X X X X X X X X X X X X X X X X X	7	12	19
38	X X	12	12	24
37	X X X X X X X X X X X X X	8	5	13
36	X X X X X X X X X X X X X X X X	9	7	16
35	X X X X X X X X	6	2	8
34	X X X X X X X X X X X X X X	8	6	14
33	X X X X X	2	3	5
32	X X X X X X X X X X X X X	6	6	12
31	X X X X X	3	2	5
30	X X X X	1	3	4
29	X X	1	1	2
28	X X	1	1	2
27	X X X	0	3	3
26		0	0	0
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		117	111	228

LIMITS (BTN): WEST CITY LIMITS TO WILLOW AVE

OBSERVATION POINT: 14220 FRANCISQUITO AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>44.1</u>	<u>44.9</u>	<u>44.5</u>	M.P.H.
50TH %:	<u>39.0</u>	<u>38.9</u>	<u>38.9</u>	M.P.H.
15TH %:	<u>33.9</u>	<u>32.9</u>	<u>33.4</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>60%</u>	<u>68%</u>	
% OVER PACE:	<u>14%</u>	<u>22%</u>	<u>18%</u>	
% UNDER PACE:	<u>12%</u>	<u>18%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>38.97</u>	<u>38.92</u>	<u>38.95</u>	M.P.H.
SAMPLE VARIANCE:	<u>24.18</u>	<u>33.64</u>	<u>28.66</u>	
STANDARD DEVIATION:	<u>4.92</u>	<u>5.80</u>	<u>5.35</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.30</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.55</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 9:25AM TO 9:42AM

LOCATION: FRANCISQUITO AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X	1	0	1
52		0	0	0
51	X	1	0	1
50		0	0	0
49	X X	1	1	2
48	X	1	0	1
47	X X X X X	1	4	5
46	X	0	1	1
45	X	1	0	1
44	X X X X X X X X	3	5	8
43	X X X X X X X	4	3	7
42	X X X X X X X X X	5	4	9
41	X X X X X X X X X X X	5	6	11
40	X X X X X X X X X X X X X X X	11	5	16
39	X X X X X X X X X X	8	2	10
38	X X X X X X X X X X X X X	6	8	14
37	X X X X X X X X X X X X X X X X X X X	14	6	20
36	X X X X X X X X X X X X X X X X X X	5	13	18
35	X X X X X X X X X X X X X X X X X	6	10	16
34	X X X X X X X X X X X X X X X X X	12	3	15
33	X X X X X X X X X X X X X X X X X	8	8	16
32	X X X X X X X X X X	5	5	10
31	X X X X X X X X X X X X X X X X X	4	11	15
30	X X X X X X X X X X	3	7	10
29	X X X	1	2	3
28		0	0	0
27	X X	1	1	2
26	X X	0	2	2
25		0	0	0
24	X	0	1	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	109	216

LIMITS (BTN): WILLOW AVE TO ORANGE AVE

OBSERVATION POINT: 12110 FRANCISQUITO AVE

POSTED SPEED LIMIT: 35/40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.3</u>	<u>42.2</u>	<u>42.3</u>	M.P.H.
50TH %:	<u>37.4</u>	<u>36.4</u>	<u>36.9</u>	M.P.H.
15TH %:	<u>32.5</u>	<u>30.6</u>	<u>31.5</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>30 - 39</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>67%</u>	<u>69%</u>	
% OVER PACE:	<u>12%</u>	<u>28%</u>	<u>22%</u>	
% UNDER PACE:	<u>13%</u>	<u>6%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>37.40</u>	<u>36.38</u>	<u>36.88</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.09</u>	<u>31.37</u>	<u>26.91</u>	
STANDARD DEVIATION:	<u>4.70</u>	<u>5.60</u>	<u>5.19</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.29</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.54</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 9:47AM TO 10:06AM

LOCATION: FRANCISQUITO AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X	1	0	1
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X	3	0	3
49	X X X	1	2	3
48	X	0	1	1
47	X	1	0	1
46	X X	1	1	2
45	X X X X X X X	3	4	7
44	X X X X X X	2	4	6
43	X X X X X X X X	6	2	8
42	X X X X X X X	4	3	7
41	X X X X X X X X X X X X X	8	5	13
40	X X X X X X X X X X X	4	7	11
39	X X X X X X X X X X X X X	6	8	14
38	X X X X X X X X X X X X X X X X X	11	9	20
37	X X	15	10	25
36	X X X X X X X X X X X X X X X X X X X	8	11	19
35	X X X X X X X X X X X X X	3	9	12
34	X X X X X X X X X X X	4	7	11
33	X X X X X X X X X X X X X	9	3	12
32	X X X X X X X X X X X X X X	6	7	13
31	X X X X X X	1	5	6
30	X X X X X X X X	5	3	8
29	X	1	0	1
28	X X X	2	1	3
27	X	1	0	1
26	X	1	0	1
25		0	0	0
24	X X	0	2	2
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	105	212

LIMITS (BTN): ORANGE AVE TO SUNSET AVE

OBSERVATION POINT: 1521 FRANCISQUITO AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>43.2</u>	<u>42.1</u>	<u>42.6</u>	M.P.H.
50TH %:	<u>37.6</u>	<u>37.0</u>	<u>37.3</u>	M.P.H.
15TH %:	<u>32.1</u>	<u>31.9</u>	<u>32.0</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>72%</u>	<u>71%</u>	
% OVER PACE:	<u>21%</u>	<u>16%</u>	<u>18%</u>	
% UNDER PACE:	<u>10%</u>	<u>11%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>37.64</u>	<u>37.00</u>	<u>37.33</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.25</u>	<u>24.50</u>	<u>26.37</u>	
STANDARD DEVIATION:	<u>5.32</u>	<u>4.95</u>	<u>5.14</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.23</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.48</u>	<u>0.35</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 10:11AM TO 10:30AM

LOCATION: FRANCISQUITO AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X	2	0	2
49	X X	1	1	2
48	X X	1	1	2
47	X X	1	1	2
46		0	0	0
45	X X X X	2	2	4
44	X	0	1	1
43	X X X X	4	0	4
42	X X X X X X X	3	4	7
41	X X X	2	1	3
40	X X X X X X X X X X X X X	5	8	13
39	X X X X X X X X X X X X X X X X	10	6	16
38	X X X X X X X X X	4	5	9
37	X X X X X X X X X X X	6	5	11
36	X X X X X X X X X X X X X X X X	8	7	15
35	X X X X X X X X X X X X X X X X	9	6	15
34	X X	13	12	25
33	X X X X X X X X X X X X X X X X X X	11	6	17
32	X X X X X X X X X X X X X	5	7	12
31	X X X X X X X X X X X X X X X X X X	6	10	16
30	X X X X X X X X X X X X X X X	7	7	14
29	X X X X X X X X X	2	6	8
28	X X X X X	1	4	5
27	X X X	1	2	3
26	X X X	1	2	3
25	X	0	1	1
24		0	0	0
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	106	211

LIMITS (BTN): SUNSET AVE TO EAST CITY LIMITS

OBSERVATION POINT: 1231 FRANCISQUITO AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>41.1</u>	<u>39.9</u>	<u>40.5</u>	M.P.H.
50TH %:	<u>36.0</u>	<u>34.6</u>	<u>35.3</u>	M.P.H.
15TH %:	<u>30.9</u>	<u>29.3</u>	<u>30.1</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>68%</u>	<u>71%</u>	
% OVER PACE:	<u>20%</u>	<u>10%</u>	<u>19%</u>	
% UNDER PACE:	<u>5%</u>	<u>22%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>36.01</u>	<u>34.60</u>	<u>35.30</u>	M.P.H.
SAMPLE VARIANCE:	<u>24.22</u>	<u>26.22</u>	<u>25.60</u>	
STANDARD DEVIATION:	<u>4.92</u>	<u>5.12</u>	<u>5.06</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.25</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.50</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 2:00PM TO 2:24PM

LOCATION: FRANCISQUITO AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	0	1	1
48		0	0	0
47		0	0	0
46	X	0	1	1
45	X X	1	1	2
44	X X X X X	2	3	5
43		0	0	0
42	X X	2	0	2
41	X X X X X X	5	1	6
40	X X X X X	0	5	5
39	X X X X X X X X X X X X	3	9	12
38	X X X X X X X X X X X X	2	10	12
37	X X X X X X X X X X X X X X	6	9	15
36	X X X X X X X X X X X X X X	8	7	15
35	X X X X X X X X X X X X	7	4	11
34	X X X X X X X X X X X X X X X X X X	12	7	19
33	X X X X X X X X X X X X X X X X X X	15	7	22
32	X X X X X X X X X X X X X	9	4	13
31	X X X X X X X X X X X X X X X X X X	8	12	20
30	X X X X X X X X X X X X X X X X X X	10	6	16
29	X X X X X X X X X X X	6	4	10
28	X X X X X X X X X X X X	7	4	11
27	X X X X X X X X X X X	7	3	10
26	X X X	1	2	3
25	X X X X X	3	2	5
24		0	0	0
23	X X	1	1	2
22		0	0	0
21	X	0	1	1
20	X X	0	2	2
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		115	106	221

LIMITS (BTN): GLENDORA AVE TO AZUSA AVE

OBSERVATION POINT: 819 FRANCISQUITO AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.6</u>	<u>39.7</u>	<u>38.6</u>	M.P.H.
50TH %:	<u>33.0</u>	<u>34.1</u>	<u>33.5</u>	M.P.H.
15TH %:	<u>28.4</u>	<u>28.4</u>	<u>28.4</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>71%</u>	<u>70%</u>	
% OVER PACE:	<u>18%</u>	<u>11%</u>	<u>10%</u>	
% UNDER PACE:	<u>4%</u>	<u>18%</u>	<u>20%</u>	
ARITHMETIC MEAN:	<u>32.97</u>	<u>34.08</u>	<u>33.51</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.55</u>	<u>29.58</u>	<u>24.56</u>	
STANDARD DEVIATION:	<u>4.42</u>	<u>5.44</u>	<u>4.96</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.28</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.53</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-06-17 DAY: THURSDAY TIME PERIOD: 2:15PM TO 4:15PM

LOCATION: GALSTER WAY

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41	XX	0	2	2
40		0	0	0
39	XXXX	0	4	4
38	XX	0	2	2
37	XX	0	2	2
36	XXXXXXXX	4	2	6
35	XXXXXXXXXX	4	5	9
34	XXXXXXXXXX	4	4	8
33	XXXXXXXXXX	6	4	10
32	XXXXXXXXXX	3	3	6
31	XXXXXXXXXX	5	5	10
30	XXXXXXXXXX	6	5	11
29	XXXXXXXXXX	7	4	11
28	XXXXXXXXXX	4	5	9
27	XXXXXXXXXX	6	4	10
26	XXXXXXXXXX	6	5	11
25	XXXXXXXXXX	6	6	12
24	XXXXXX	2	4	6
23	XXXX	2	2	4
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		65	68	133

LIMITS (BTN): AROMA DR TO WESTRIDGE RD

OBSERVATION POINT: GALSTER PARK ENTRANCE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>33.4</u>	<u>35.8</u>	<u>34.7</u>	M.P.H.
50TH %:	<u>29.6</u>	<u>30.7</u>	<u>30.2</u>	M.P.H.
15TH %:	<u>25.8</u>	<u>25.7</u>	<u>25.7</u>	M.P.H.
10 MPH PACE:	<u>25 - 34</u>	<u>25 - 34</u>	<u>25 - 34</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>66%</u>	<u>74%</u>	
% OVER PACE:	<u>12%</u>	<u>25%</u>	<u>19%</u>	
% UNDER PACE:	<u>6%</u>	<u>9%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>29.63</u>	<u>30.74</u>	<u>30.20</u>	M.P.H.
SAMPLE VARIANCE:	<u>13.49</u>	<u>23.90</u>	<u>18.98</u>	
STANDARD DEVIATION:	<u>3.67</u>	<u>4.89</u>	<u>4.36</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.35</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.59</u>	<u>0.38</u>	M.P.H.

* * * P A C E * * *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD : 9:00AM TO 9:51AM

LOCATION: GARVEY AVENUE NORTH

SPEED (MPH)	TOTAL VEHICLES SURVEYED			TOTAL
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	0	1	1
44	X	1	0	1
43	X X	1	1	2
42	X X X X X X	4	2	6
41	X	1	0	1
40	X X X X X X X X X X X X	6	6	12
39	X X X X	2	2	4
38	X X X X X X X X X X X X X X	11	3	14
37	X X X X X X X X	2	6	8
36	X X X X X X X X X X X X	8	4	12
35	X X X X X X X X X X X X X X X X	5	11	16
34	X X X X X X X X	4	4	8
33	X X X X X X X X X X X X X X X X	11	5	16
32	X X X X X X	4	2	6
31	X X X X X X X X X X X X X X X X X X	7	10	17
30	X X X X X X X X X X X X X X X X X X X X	14	6	20
29	X X	8	15	23
28	X X X X X X X X X	4	5	9
27	X X X X X X X X X X X X X X X X X X	10	7	17
26	X X X X X X X X	3	4	7
25	X X X X X X X X X X	3	6	9
24	X X X X	0	3	3
23	X X	0	2	2
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	105	214

LIMITS (BTN): WEST CITY LIMITS TO CAMERON AVE

OBSERVATION POINT: 2200 GARVEY AVENUE NORTH

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.0</u>	<u>37.1</u>	<u>37.6</u>	M.P.H.
50TH %:	<u>33.0</u>	<u>31.9</u>	<u>32.5</u>	M.P.H.
15TH %:	<u>28.1</u>	<u>26.7</u>	<u>27.4</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>27 - 36</u>	<u>27 - 36</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>66%</u>	<u>67%</u>	
% OVER PACE:	<u>26%</u>	<u>20%</u>	<u>23%</u>	
% UNDER PACE:	<u>6%</u>	<u>14%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>33.03</u>	<u>31.87</u>	<u>32.46</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.80</u>	<u>25.27</u>	<u>24.24</u>	
STANDARD DEVIATION:	<u>4.78</u>	<u>5.03</u>	<u>4.92</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.24</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.49</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD: 10:50AM TO 12:23PM

LOCATION: GARVEY AVENUE NORTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL VEHICLES		
	EB	WB											
65											0	0	0
64											0	0	0
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57	X										0	1	1
56											0	0	0
55	X										0	1	1
54											0	0	0
53	X										0	1	1
52											0	0	0
51	X										0	1	1
50	X	X									0	2	2
49											0	0	0
48	X	X									0	2	2
47	X	X	X	X	X	X	X				3	5	8
46											0	0	0
45	X	X	X	X							1	4	5
44	X	X	X	X							3	2	5
43	X	X	X	X	X						0	7	7
42	X	X	X	X	X						3	4	7
41	X	X	X								1	3	4
40	X	X	X	X	X	X	X	X	X		0	12	12
39	X	X	X	X	X	X	X	X	X	X	6	9	15
38	X	X	X	X	X	X					3	6	9
37	X	X	X	X	X	X	X				7	3	10
36	X	X	X	X	X	X					4	6	10
35	X	X	X	X	X	X	X	X	X	X	8	17	25
34	X	X	X	X	X	X	X	X	X	X	14	5	19
33	X	X	X	X	X	X	X				3	9	12
32	X	X	X	X	X	X	X	X	X	X	10	15	25
31	X	X	X	X	X						3	4	7
30	X	X	X	X	X	X	X	X	X	X	11	9	20
29	X	X	X	X	X	X					4	6	10
28	X	X	X	X	X	X	X	X	X		5	8	13
27	X	X	X	X	X						3	5	8
26	X	X	X	X							3	3	6
25	X	X	X	X							3	3	6
24	X	X	X	X							3	2	5
23	X	X									1	1	2
22	X										0	1	1
21	X	X	X								3	0	3
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											105	157	262

LIMITS (BTN): ORANGE AVE TO GARVEY AVE NORTH

OBSERVATION POINT: 1539 GARVEY AVE NORTH

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.1</u>	<u>42.8</u>	<u>41.4</u>	M.P.H.
50TH %:	<u>33.2</u>	<u>35.7</u>	<u>34.7</u>	M.P.H.
15TH %:	<u>27.2</u>	<u>28.7</u>	<u>28.0</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>66%</u>	<u>55%</u>	<u>58%</u>	
% OVER PACE:	<u>10%</u>	<u>21%</u>	<u>21%</u>	
% UNDER PACE:	<u>24%</u>	<u>24%</u>	<u>21%</u>	
ARITHMETIC MEAN:	<u>33.16</u>	<u>35.72</u>	<u>34.69</u>	M.P.H.
SAMPLE VARIANCE:	<u>32.85</u>	<u>46.23</u>	<u>42.30</u>	
STANDARD DEVIATION:	<u>5.73</u>	<u>6.80</u>	<u>6.50</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.31</u>	<u>0.29</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.54</u>	<u>0.40</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD : 12:30PM TO 2:30PM

LOCATION: GARVEY AVENUE NORTH

Table with columns: SPEED (MPH), TO TAL VEHICLES SURVEYED (grid), EB, WB, TOTAL VEHICLES. Rows from 65 to 15.

LIMITS (BTN): SUNSET AVE TO VINCENT AVE
OBSERVATION POINT: THE PROMENADE APARTMENTS
POSTED SPEED LIMIT: 40 MPH
COMMENTS:
OBSERVER: CARLOS
WEATHER: PARTLY SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

Summary table with columns: EASTBOUND, WESTBOUND, EASTBOUND+WESTBOUND, M.P.H. Rows include 85TH %, 50TH %, 15TH %, 10 MPH PACE, % IN PACE, % OVER PACE, % UNDER PACE, ARITHMETIC MEAN, SAMPLE VARIANCE, STANDARD DEVIATION, VARIANCE OF THE MEAN, STD. ERROR OF THE MEAN.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 2:40PM TO 3:49PM

LOCATION: GARVEY AVENUE NORTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	0	1	1
44	X X X X X	1	4	5
43	X	0	1	1
42	X	1	0	1
41	X X	0	2	2
40	X X X X X	1	4	5
39	X X X X X X X X	1	7	8
38	X X X X X X X X X X X X X X X X X X	6	11	17
37	X X X X X X X X X X	5	4	9
36	X X X X X X X X X X X X X X X X X X	7	9	16
35	X X X X X X X X X X X X X X X X X X	10	5	15
34	X X X X X X X X X X X X X X X X X X	6	10	16
33	X X X X X X X X X X X X X X X X X X	7	5	12
32	X X X X X X X X X X X X X X X X X X	5	11	16
31	X X X X X X X X X X X X X X X X X X	8	4	12
30	X X X X X X X X X X X X X X X X X X	10	7	17
29	X X X X X X X X X X X X X X X X X X	9	5	14
28	X X X X X X X X X X X X X X X X X X	7	5	12
27	X X X X X X X X X X	6	3	9
26	X X X X X X X X	5	2	7
25	X X X X X X X X	5	2	7
24	X X X X X	4	0	4
23	X X X	3	0	3
22	X X X	3	0	3
21		0	0	0
20	X	0	1	1
19	X	0	1	1
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		110	104	214

LIMITS (BTN): AZUSA AVE TO HOLLENBECK ST
OBSERVATION POINT: BAYMAR/GARVEY AVE NORTH
POSTED SPEED LIMIT: 35 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>36.1</u>	<u>39.3</u>	<u>37.9</u>	M.P.H.
50TH %:	<u>31.2</u>	<u>34.1</u>	<u>32.6</u>	M.P.H.
15TH %:	<u>26.2</u>	<u>28.8</u>	<u>27.3</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>30 - 39</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>70%</u>	<u>67%</u>	
% OVER PACE:	<u>14%</u>	<u>12%</u>	<u>11%</u>	
% UNDER PACE:	<u>18%</u>	<u>18%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>31.16</u>	<u>34.06</u>	<u>32.57</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.65</u>	<u>25.55</u>	<u>26.05</u>	
STANDARD DEVIATION:	<u>4.76</u>	<u>5.05</u>	<u>5.10</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.25</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.50</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 1:40PM TO 2:45PM

LOCATION: GARVEY AVENUE NORTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	0	1	1
49	X X	0	2	2
48	X	0	1	1
47	X X X	2	1	3
46	X X X X X	1	4	5
45	X X X X X X X X X	4	5	9
44	X X X X X X X X	1	7	8
43	X X X X X X X X X X X X X X X	3	12	15
42	X X X X X X X X X X X X X X X	8	6	14
41	X X X X X X X X X X X X X X X X X X X	10	8	18
40	X X X X X X X X X X X X X X X X X X X	11	7	18
39	X X X X X X X X X X X	6	4	10
38	X X X X X X	3	2	5
37	X X X X X X X X X X X	7	3	10
36	X X X X X X X X X X	5	4	9
35	X X X X X X X X X X X X X X X X X X X	9	7	16
34	X X X X X X X X X X X	6	4	10
33	X X X X X X X X X X	5	4	9
32	X X X X X X X X X X X X X X	6	7	13
31	X X X X X X X X X X X X X X	5	7	12
30	X X X X X X X X	4	3	7
29	X X X X X X	3	2	5
28	X X X X X X	2	4	6
27	X X	1	1	2
26	X	0	1	1
25	X	1	0	1
24		0	0	0
23	X	1	0	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	107	211

LIMITS (BTN): BARRANCA AVE TO FAIRWAY LN

OBSERVATION POINT: MARIE CALLENDER'S RESTAURANT PARKING LOT

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.2</u>	<u>44.3</u>	<u>43.3</u>	M.P.H.
50TH %:	<u>36.9</u>	<u>38.2</u>	<u>37.6</u>	M.P.H.
15TH %:	<u>31.6</u>	<u>32.1</u>	<u>31.8</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>35 - 44</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>56%</u>	<u>59%</u>	
% OVER PACE:	<u>11%</u>	<u>13%</u>	<u>14%</u>	
% UNDER PACE:	<u>22%</u>	<u>31%</u>	<u>27%</u>	
ARITHMETIC MEAN:	<u>36.88</u>	<u>38.22</u>	<u>37.56</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.96</u>	<u>34.67</u>	<u>30.69</u>	
STANDARD DEVIATION:	<u>5.09</u>	<u>5.89</u>	<u>5.54</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.25</u>	<u>0.32</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.50</u>	<u>0.57</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 10:15AM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X X	2	0	2
45	X X X X X X	6	0	6
44	X X	2	0	2
43	X X X	3	0	3
42	X X X X X	5	0	5
41	X X X X	4	0	4
40	X X X X X X X X	8	0	8
39	X X X X	4	0	4
38	X X X X X X X X	7	1	8
37	X X X X X X	5	1	6
36	X X X X X X X X X X	10	0	10
35	X X X X X X X X	6	2	8
34	X X X X X X X X X X X X	8	4	12
33	X X X X X X X X X X X X X X	8	6	14
32	X X	13	9	22
31	X X	13	10	23
30	X X	14	11	25
29	X X	15	12	27
28	X X	18	10	28
27	X X	23	13	36
26	X X	21	13	34
25	X X	14	6	20
24	X X X X X X X X X X X X X X	9	4	13
23	X X X X X X X X X X X X X X	12	1	13
22	X X X X X X X X X X	8	1	9
21	X X X X	4	0	4
20	X X X	3	0	3
19	X	1	0	1
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		246	104	350

LIMITS (BTN): WEST CITY LIMITS TO ORANGE AVE

OBSERVATION POINT: 1906 GARVEY AVE SOUTH

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.0</u>	<u>32.2</u>	<u>35.8</u>	M.P.H.
50TH %:	<u>30.5</u>	<u>29.0</u>	<u>30.1</u>	M.P.H.
15TH %:	<u>24.0</u>	<u>25.8</u>	<u>24.3</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>25 - 34</u>	<u>24 - 33</u>	M.P.H.
% IN PACE:	<u>62%</u>	<u>90%</u>	<u>69%</u>	
% OVER PACE:	<u>32%</u>	<u>4%</u>	<u>22%</u>	
% UNDER PACE:	<u>7%</u>	<u>6%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>30.54</u>	<u>28.99</u>	<u>30.08</u>	M.P.H.
SAMPLE VARIANCE:	<u>39.33</u>	<u>9.76</u>	<u>30.99</u>	
STANDARD DEVIATION:	<u>6.27</u>	<u>3.12</u>	<u>5.57</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.09</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.31</u>	<u>0.30</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD : 1:10PM TO 1:50PM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39	X	0	1	1
38	X X	1	1	2
37	X X	1	1	2
36		0	0	0
35	X X X X X X X X	2	6	8
34	X X X	2	1	3
33	X X X X X	1	4	5
32	X X X X X	3	2	5
31	X X X X X X	2	4	6
30	X X X X X X X X X X X X	8	4	12
29	X X X X X X X X X X	5	5	10
28	X X X X X X X	5	2	7
27	X X	11	10	21
26	X X X X X X X X X X X X X X	4	10	14
25	X X	14	7	21
24	X X	13	8	21
23	X X X X X X X X X X X X X X	9	5	14
22	X X X X X X X X	3	5	8
21	X X X X X X X X X X	2	8	10
20	X X X X X X X X X X X X X	8	5	13
19	X X X X X X	2	4	6
18	X X X X X X X	4	3	7
17	X X X X X	3	2	5
16	X X X	1	2	3
15	X	0	1	1
		104	101	205

LIMITS (BTN): SUNSET AVE TO CALIFORNIA AVE
OBSERVATION POINT: WEST COVINA MALL PARKING LOT
POSTED SPEED LIMIT: 15 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>30.2</u>	<u>31.3</u>	<u>30.7</u>	M.P.H.
50TH %:	<u>25.4</u>	<u>25.7</u>	<u>25.6</u>	M.P.H.
15TH %:	<u>20.7</u>	<u>20.2</u>	<u>20.4</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>20 - 29</u>	<u>20 - 29</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>64%</u>	<u>68%</u>	
% OVER PACE:	<u>7%</u>	<u>24%</u>	<u>21%</u>	
% UNDER PACE:	<u>22%</u>	<u>12%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>25.42</u>	<u>25.74</u>	<u>25.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.98</u>	<u>28.87</u>	<u>24.77</u>	
STANDARD DEVIATION:	<u>4.58</u>	<u>5.37</u>	<u>4.98</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.29</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.53</u>	<u>0.35</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 12:15PM TO 1:20PM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44	X X	1	1	2
43	X X X	2	1	3
42	X X X X	1	3	4
41	X X X X X X	0	6	6
40	X X X X	2	2	4
39	X X X X X X	3	3	6
38	X X X X X X X X X X X X	5	7	12
37	X X X X X X X X X X	2	8	10
36	X X X X X X X X X X X X X X X X	6	10	16
35	X X	13	13	26
34	X X X X X X X X X X	4	6	10
33	X X X X X X X X X X X X X X X X X X	11	7	18
32	X X X X X X X X X X X X X X	8	6	14
31	X X X X X X X X X X X X X X X X X	7	9	16
30	X X X X X X X X X X X X X X X X X X X	13	6	19
29	X X X X X X X X	3	5	8
28	X X X X X X	4	2	6
27	X X X X X X X	4	3	7
26	X X X X X X X	4	3	7
25	X X X X	2	2	4
24	X X X	1	2	3
23	X X	0	2	2
22	X	1	0	1
21	X	1	0	1
20	X X	2	0	2
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		100	107	207

LIMITS (BTN): LARK ELLEN AVE TO CHERRYWOOD ST

OBSERVATION POINT: 1400 GARVEY AVE SOUTH

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.3</u>	<u>38.8</u>	<u>38.1</u>	M.P.H.
50TH %:	<u>32.3</u>	<u>33.9</u>	<u>33.1</u>	M.P.H.
15TH %:	<u>27.4</u>	<u>28.9</u>	<u>28.1</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>73%</u>	<u>72%</u>	<u>72%</u>	
% OVER PACE:	<u>16%</u>	<u>15%</u>	<u>12%</u>	
% UNDER PACE:	<u>11%</u>	<u>13%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>32.34</u>	<u>33.86</u>	<u>33.13</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.08</u>	<u>22.61</u>	<u>23.30</u>	
STANDARD DEVIATION:	<u>4.80</u>	<u>4.76</u>	<u>4.83</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.21</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.46</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 10:10AM TO 11:07AM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X	1	0	1
44		0	0	0
43		0	0	0
42		0	0	0
41	X X	1	1	2
40		0	0	0
39	X X X X	3	1	4
38	X X X X X X X	5	2	7
37	X X X X X X X	2	5	7
36	X X X X X X	2	4	6
35	X X X X X X X X X	5	5	10
34	X X X X X X X X X	4	6	10
33	X X X X X X X X X X X	7	5	12
32	X X X X X X X X X X X X X X X X X X X	8	13	21
31	X X X X X X X X X X X X X X X X X X X	10	9	19
30	X X X X X X X X X X X X X X X X X X	10	7	17
29	X X X X X X X X X X X X X X X X X X X	7	13	20
28	X X X X X X X X X X X X X X X X X X	5	6	11
27	X X X X X X X X X X X X X X X X X X	7	9	16
26	X X X X X X X X X X X X X X X X X X	6	10	16
25	X X X X X X X X	3	5	8
24	X X X X X X X X	5	2	7
23	X X X X	3	1	4
22	X X X X	3	1	4
21	X X X X X	3	2	5
20	X X X	1	2	3
19	X	1	0	1
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		102	109	211

LIMITS (BTN): CHERRYWOOD ST TO AZUSA AVE

OBSERVATION POINT: 1600 GARVEY AVE SOUTH

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>35.3</u>	<u>34.6</u>	<u>34.9</u>	M.P.H.
50TH %:	<u>30.1</u>	<u>30.1</u>	<u>30.1</u>	M.P.H.
15TH %:	<u>24.8</u>	<u>25.7</u>	<u>25.2</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>26 - 35</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>76%</u>	<u>72%</u>	
% OVER PACE:	<u>14%</u>	<u>12%</u>	<u>13%</u>	
% UNDER PACE:	<u>19%</u>	<u>12%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>30.07</u>	<u>30.11</u>	<u>30.09</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.91</u>	<u>18.47</u>	<u>21.96</u>	
STANDARD DEVIATION:	<u>5.09</u>	<u>4.30</u>	<u>4.69</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.25</u>	<u>0.17</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.50</u>	<u>0.41</u>	<u>0.32</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 3:27PM TO 4:33PM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X	0	1	1
46	X	1	0	1
45	X X X X	3	1	4
44	X	1	0	1
43	X	0	1	1
42	X X X X X X X X X	8	1	9
41	X X X X X	3	2	5
40	X X	10	12	22
39	X X X X X X X X X X X	5	6	11
38	X X	18	5	23
37	X X	14	3	17
36	X X	10	9	19
35	X X	12	6	18
34	X X	16	10	26
33	X X	11	4	15
32	X X	12	6	18
31	X X	5	14	19
30	X X X X X	2	2	4
29	X X X X X X X	4	2	6
28	X X X X X X	1	4	5
27	X X X X X X	1	4	5
26	X X X X X X	1	4	5
25	X X X X X X X	1	5	6
24		0	0	0
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		139	103	242

LIMITS (BTN): AZUSA AVE TO HOLLENBECK ST
OBSERVATION POINT: 2016 GARVEY AVENUE SOUTH
POSTED SPEED LIMIT: 40 MPH
COMMENTS:
OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	40.0	39.2	39.8	M.P.H.
50TH %:	35.9	33.9	35.1	M.P.H.
15TH %:	31.8	28.7	30.3	M.P.H.
10 MPH PACE:	31 - 40	31 - 40	31 - 40	M.P.H.
% IN PACE:	81%	73%	78%	
% OVER PACE:	12%	6%	9%	
% UNDER PACE:	7%	21%	13%	
ARITHMETIC MEAN:	35.89	33.94	35.06	M.P.H.
SAMPLE VARIANCE:	15.84	25.70	20.88	
STANDARD DEVIATION:	3.98	5.07	4.57	M.P.H.
VARIANCE OF THE MEAN:	0.11	0.25	0.09	
STD. ERROR OF THE MEAN:	0.34	0.50	0.29	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 2:20PM TO 3:23PM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TOTAL VEHICLES SURVEYED															TOTAL			
																EB	WB	VEHICLES	
65																	0	0	0
64																	0	0	0
63																	0	0	0
62																	0	0	0
61																	0	0	0
60																	0	0	0
59																	0	0	0
58																	0	0	0
57																	0	0	0
56	X																1	0	1
55																	0	0	0
54																	0	0	0
53																	0	0	0
52																	0	0	0
51																	0	0	0
50																	0	0	0
49																	0	0	0
48																	0	0	0
47																	0	0	0
46																	0	0	0
45																	0	0	0
44	X	X	X	X	X												3	2	5
43																	0	0	0
42	X	X	X														2	1	3
41	X																1	0	1
40	X	X	X	X													1	4	5
39	X	X	X	X													1	3	4
38	X	X	X	X													0	5	5
37	X	X	X	X	X	X	X	X	X								5	6	11
36	X	X	X	X	X	X											1	7	8
35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		11	13	24
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		11	9	20
33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		13	9	22
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		11	11	22
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		14	12	26
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		14	8	22
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		18	5	23
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		12	5	17
27	X	X	X	X	X	X	X										10	1	11
26	X	X	X	X	X	X											8	2	10
25	X	X	X	X	X												4	2	6
24	X	X	X	X													3	1	4
23	X	X	X	X	X												5	1	6
22																	0	0	0
21	X	X															2	0	2
20																	0	0	0
19																	0	0	0
18																	0	0	0
17																	0	0	0
16																	0	0	0
15																	0	0	0
																	151	107	258

LIMITS (BTN): HOLLENBECK ST TO JAMES AVE
OBSERVATION POINT: 2200 GARVEY AVENUE SOUTH
POSTED SPEED LIMIT: NP MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>36.0</u>	<u>37.4</u>	<u>36.7</u>	M.P.H.
50TH %:	<u>30.9</u>	<u>33.2</u>	<u>31.9</u>	M.P.H.
15TH %:	<u>25.9</u>	<u>29.0</u>	<u>27.0</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>29 - 38</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>81%</u>	<u>79%</u>	<u>76%</u>	
% OVER PACE:	<u>10%</u>	<u>9%</u>	<u>17%</u>	
% UNDER PACE:	<u>9%</u>	<u>11%</u>	<u>7%</u>	
ARITHMETIC MEAN:	<u>30.94</u>	<u>33.21</u>	<u>31.88</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.51</u>	<u>16.47</u>	<u>21.78</u>	
STANDARD DEVIATION:	<u>4.85</u>	<u>4.06</u>	<u>4.67</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.39</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 11:38AM TO 12:23PM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	1	0	1
47	X	1	0	1
46	XX	0	2	2
45		0	0	0
44	XX	2	0	2
43	XXX	2	2	4
42	XXX	4	0	4
41	XXXXXXXX	4	3	7
40	XXXXXXXXXX	9	3	12
39	XXXXXXXX	5	3	8
38	XXXXXXXXXX	5	6	11
37	XXXXXXXXXX	5	5	10
36	XXXXXXXXXX	8	4	12
35	XXXXXXXXXX	5	5	10
34	XXXXXXXXXX	7	5	12
33	XXXXXXXXXX	6	10	16
32	XXXXXXXXXX	5	10	15
31	XXXXXXXXXX	5	10	15
30	XXXXXXXXXX	6	5	11
29	XXXXXXXXXX	5	9	14
28	XXXXXXXXXX	5	4	9
27	XXXXXXXXXX	5	4	9
26	XXXXXXXXXX	4	4	8
25	XXXXXXXXXX	2	4	6
24	XXXXXX	2	3	5
23	XXXXXX	2	3	5
22	XX	2	0	2
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	104	211

LIMITS (BTN): CITRUS ST TO BARRANCA AVE

OBSERVATION POINT: 2934 GARVEY AVENUE SOUTH

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.1</u>	<u>37.8</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>34.0</u>	<u>32.5</u>	<u>33.2</u>	M.P.H.
15TH %:	<u>27.9</u>	<u>27.1</u>	<u>27.5</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>56%</u>	<u>66%</u>	<u>60%</u>	
% OVER PACE:	<u>13%</u>	<u>13%</u>	<u>19%</u>	
% UNDER PACE:	<u>31%</u>	<u>21%</u>	<u>21%</u>	
ARITHMETIC MEAN:	<u>33.99</u>	<u>32.46</u>	<u>33.24</u>	M.P.H.
SAMPLE VARIANCE:	<u>34.48</u>	<u>26.45</u>	<u>30.96</u>	
STANDARD DEVIATION:	<u>5.87</u>	<u>5.14</u>	<u>5.56</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.32</u>	<u>0.25</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.57</u>	<u>0.50</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 10:22AM TO 11:34AM

LOCATION: GARVEY AVENUE SOUTH

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	1	0	1
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47	X	1	0	1
46	X	1	0	1
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41	X X	2	0	2
40		0	0	0
39	X	0	1	1
38	X X X X	2	2	4
37	X X X X	2	2	4
36	X X X X X	3	2	5
35	X X X X X X X X X X X X X X	6	7	13
34	X X X X X X X X X	5	4	9
33	X X X X X X X X X X X X	5	7	12
32	X X	14	5	19
31	X X X X X X X X X X X X X X	5	7	12
30	X X X X X X X X X	6	3	9
29	X X X X X X X X X X X X	8	4	12
28	X X X X X X X X X X X X	6	4	10
27	X X X X X X X X X X X	6	5	11
26	X X	8	12	20
25	X X X X X X X X X X X	5	5	10
24	X X X X X X X X X X X X X X X X X X	6	10	16
23	X X X X X X X X X	3	5	8
22	X X X X X X X X X	3	5	8
21	X X X X X X X X X X X X X	4	8	12
20	X X X X X X X X X	4	4	8
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	103	209

LIMITS (BTN): BARRANCA AVE TO HOLT AVE
OBSERVATION POINT: 3120 GARVEY AVENUE SOUTH
POSTED SPEED LIMIT: 35 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>35.9</u>	<u>33.8</u>	<u>34.9</u>	M.P.H.
50TH %:	<u>29.7</u>	<u>28.2</u>	<u>29.0</u>	M.P.H.
15TH %:	<u>23.6</u>	<u>22.5</u>	<u>23.0</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>24 - 33</u>	<u>24 - 33</u>	M.P.H.
% IN PACE:	<u>65%</u>	<u>60%</u>	<u>63%</u>	
% OVER PACE:	<u>11%</u>	<u>18%</u>	<u>20%</u>	
% UNDER PACE:	<u>24%</u>	<u>21%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>29.75</u>	<u>28.17</u>	<u>28.97</u>	M.P.H.
SAMPLE VARIANCE:	<u>34.71</u>	<u>29.81</u>	<u>32.76</u>	
STANDARD DEVIATION:	<u>5.89</u>	<u>5.46</u>	<u>5.72</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.33</u>	<u>0.29</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.57</u>	<u>0.54</u>	<u>0.40</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 2:50PM TO 4:11PM

LOCATION: GARVEY STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	1	0	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	0	1	1
49	X X X	2	1	3
48	X X	0	2	2
47	X X	2	0	2
46	X	1	0	1
45	X X X X X	3	2	5
44	X X X	3	0	3
43	X X X X X X	3	3	6
42	X X X X X X	3	3	6
41	X X X X X X	2	4	6
40	X X X X X X X X	5	4	9
39	X X X X X X X X X X X X X X X X	6	10	16
38	X X X X X X X X X X X X X X X X	10	4	14
37	X X X X X X X X X X X X X X	4	9	13
36	X X	9	15	24
35	X X	12	13	25
34	X X X X X X X X X X X X X X X X X X	8	10	18
33	X X X X X X X X X X	6	4	10
32	X X X X X X X X X X X X X X X X	5	10	15
31	X X X X X X X X X X X X X X X X	3	11	14
30	X X X X X X	3	3	6
29	X X X X X X X X X X X	3	7	10
28	X X X X X	2	3	5
27	X X X X	2	2	4
26	X X	1	1	2
25	X	1	0	1
24	X X	1	1	2
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		101	124	225

LIMITS (BTN): GARVEY AVE NORTH TO EAST CITY LIMITS

OBSERVATION POINT: 1127 GARVEY ST

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.5</u>	<u>40.4</u>	<u>41.4</u>	M.P.H.
50TH %:	<u>36.6</u>	<u>35.3</u>	<u>35.8</u>	M.P.H.
15TH %:	<u>30.6</u>	<u>30.1</u>	<u>30.3</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>73%</u>	<u>70%</u>	
% OVER PACE:	<u>20%</u>	<u>13%</u>	<u>16%</u>	
% UNDER PACE:	<u>13%</u>	<u>15%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>36.55</u>	<u>35.25</u>	<u>35.84</u>	M.P.H.
SAMPLE VARIANCE:	<u>32.59</u>	<u>24.56</u>	<u>28.46</u>	
STANDARD DEVIATION:	<u>5.71</u>	<u>4.96</u>	<u>5.33</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.32</u>	<u>0.20</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.57</u>	<u>0.45</u>	<u>0.36</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-30-17 DAY: THURSDAY TIME PERIOD : 9:00AM TO 10:03AM

LOCATION: GEMINI STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36	X X	2	0	2
35	X X X X X	2	3	5
34	X X X X X	3	2	5
33	X X X X X X X X X	3	6	9
32	X X X X X X X X X X	3	7	10
31	X X X X X X X X X X X	5	6	11
30	X X X X X X X X X X X X X	6	9	15
29	X X X X X X X X X X X X X X X	8	10	18
28	X X X X X X X X X X X X X X X	8	9	17
27	X X X X X X X X X X X X X X X X	8	12	20
26	X X X X X X X X X X X X X X X X X	10	12	22
25	X X X X X X X X X X X X X X X X X	10	12	22
24	X X X X X X X X X X X X X X X X	7	12	19
23	X X X X X X X X X X X X X	7	6	13
22	X X X X X X X X X X X X X X X	10	6	16
21	X X X X X X X X X X X	5	6	11
20	X X X X X X X X X X X X	6	6	12
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	124	227

LIMITS (BTN): KIMBERLY DRIVE TO SHADOW OAK DR

OBSERVATION POINT: 1839 GEMINI ST

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>30.8</u>	<u>30.9</u>	<u>30.8</u>	M.P.H.
50TH %:	<u>26.5</u>	<u>26.9</u>	<u>26.7</u>	M.P.H.
15TH %:	<u>22.3</u>	<u>22.9</u>	<u>22.6</u>	M.P.H.
10 MPH PACE:	<u>22 - 31</u>	<u>24 - 33</u>	<u>22 - 31</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>77%</u>	<u>76%</u>	
% OVER PACE:	<u>13%</u>	<u>4%</u>	<u>14%</u>	
% UNDER PACE:	<u>11%</u>	<u>19%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>26.50</u>	<u>26.88</u>	<u>26.71</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.84</u>	<u>14.87</u>	<u>15.73</u>	
STANDARD DEVIATION:	<u>4.10</u>	<u>3.86</u>	<u>3.97</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.12</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.35</u>	<u>0.26</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-30-17 DAY: THURSDAY TIME PERIOD : 10:08AM TO 12:08PM

LOCATION: GIANO AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36	X	0	1	1
35	X	1	0	1
34	X	1	0	1
33	X X X X	1	3	4
32	X X X X X X	3	3	6
31	X X X X X X	3	3	6
30	X X X X X X X X	4	5	9
29	X X X X X X X X	4	5	9
28	X X X X X X X X	4	5	9
27	X X X X X X X X X X X X	4	10	14
26	X X X X X X X X	4	5	9
25	X X X X X X X X X X X X X X	5	10	15
24	X X X X X X X X X X	5	5	10
23	X X X X X X X X X X	5	5	10
22	X X X X X	2	3	5
21	X X X X X	2	3	5
20	X X X X	1	3	4
19	X X X X X	2	3	5
18		0	0	0
17	X	0	1	1
16		0	0	0
15		0	0	0
		51	73	124

LIMITS (BTN): GEMINI ST TO WEDNESDAY AVE

OBSERVATION POINT: 3700 GIANO AVE

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>30.6</u>	<u>30.2</u>	<u>30.4</u>	M.P.H.
50TH %:	<u>26.6</u>	<u>26.1</u>	<u>26.3</u>	M.P.H.
15TH %:	<u>22.5</u>	<u>22.0</u>	<u>22.2</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>23 - 32</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>80%</u>	<u>77%</u>	<u>78%</u>	
% OVER PACE:	<u>6%</u>	<u>5%</u>	<u>6%</u>	
% UNDER PACE:	<u>14%</u>	<u>18%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>26.57</u>	<u>26.12</u>	<u>26.31</u>	M.P.H.
SAMPLE VARIANCE:	<u>15.33</u>	<u>15.53</u>	<u>15.37</u>	
STANDARD DEVIATION:	<u>3.92</u>	<u>3.94</u>	<u>3.92</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.30</u>	<u>0.21</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.55</u>	<u>0.46</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 2:12PM TO 2:38PM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40	X	0	1	1
39	X X X X X	2	3	5
38	X X X X X X X X	0	8	8
37	X X X X X X	3	3	6
36	X	0	1	1
35	X X X X X X X X X X X X X X X X X X	7	10	17
34	X X X X	1	3	4
33	X X X X X X X X	1	7	8
32	X X X X X X X X X X X X X X	6	8	14
31	X X X X X X	2	4	6
30	X X	15	13	28
29	X X X X X X X X X X X X	7	4	11
28	X X	10	8	18
27	X X X X X X X X X X	4	5	9
26	X X	15	2	17
25	X X	10	10	20
24	X X X X X X X X X X X X	7	4	11
23	X X X X X X X X X X X X X X X X	8	6	14
22	X X X X X X X X	3	3	6
21	X X X X X	4	1	5
20	X X X	2	1	3
19	X X	1	1	2
18		0	0	0
17		0	0	0
16		0	0	0
15	X	1	0	1
		109	106	215

LIMITS (BTN): GARVEY AVE SOUTH TO LAKES DR

OBSERVATION POINT: 114 GLENDORA AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>32.3</u>	<u>35.5</u>	<u>34.0</u>	M.P.H.
50TH %:	<u>27.6</u>	<u>30.2</u>	<u>28.9</u>	M.P.H.
15TH %:	<u>23.0</u>	<u>24.9</u>	<u>23.7</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>24 - 33</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>61%</u>	<u>69%</u>	
% OVER PACE:	<u>13%</u>	<u>27%</u>	<u>23%</u>	
% UNDER PACE:	<u>10%</u>	<u>11%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>27.63</u>	<u>30.17</u>	<u>28.88</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.40</u>	<u>25.97</u>	<u>24.65</u>	
STANDARD DEVIATION:	<u>4.52</u>	<u>5.10</u>	<u>4.97</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.25</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.49</u>	<u>0.34</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 10:25AM TO 10:59AM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39	X X	1	1	2
38	X X X X	1	3	4
37	X X X	1	2	3
36	X X X X X X X X	3	5	8
35	X X X X X	1	4	5
34	X X X X X X X X X X	3	7	10
33	X X X X X X X X X X	2	8	10
32	X X X X X X X X X X X X X X	6	10	16
31	X X X X X X X X X X X X X X	6	8	14
30	X X X X X X X X X X X X X X X X	7	10	17
29	X X X X X X X X X X X X X X X X X X	12	10	22
28	X X X X X X X X X X X X X X X X	6	10	16
27	X X X X X X X X X X X X X X X X	14	3	17
26	X X X X X X X X X X X X X X X X	10	6	16
25	X X X X X X X X X X X X X X X X X X	15	5	20
24	X X X X X X X X X X X X X X	10	3	13
23	X X X X X X X X X X X X X X	10	3	13
22	X X X X	3	0	3
21	X X X X X X X X	5	3	8
20	X X X X X	4	1	5
19	X X	2	0	2
18	X X X	3	0	3
17		0	0	0
16		0	0	0
15		0	0	0
		125	102	227

LIMITS (BTN): LAKES DR TO WALNUT CREEK PKWY

OBSERVATION POINT: 301 GLENDORA AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>31.4</u>	<u>34.5</u>	<u>33.1</u>	M.P.H.
50TH %:	<u>26.8</u>	<u>30.1</u>	<u>28.3</u>	M.P.H.
15TH %:	<u>22.3</u>	<u>25.8</u>	<u>23.6</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>25 - 34</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>75%</u>	<u>72%</u>	
% OVER PACE:	<u>10%</u>	<u>15%</u>	<u>19%</u>	
% UNDER PACE:	<u>14%</u>	<u>10%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>26.84</u>	<u>30.13</u>	<u>28.32</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.30</u>	<u>17.60</u>	<u>21.14</u>	
STANDARD DEVIATION:	<u>4.39</u>	<u>4.19</u>	<u>4.60</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.15</u>	<u>0.17</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.42</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 11:04AM TO 11:42AM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	1	0	1
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49	X	1	0	1
48		0	0	0
47	X X	2	0	2
46	X	1	0	1
45		0	0	0
44	X X	2	0	2
43	X X X X X X	6	0	6
42	X X X	3	0	3
41	X X X X X X	6	0	6
40	X X X X X X X X	7	1	8
39	X X X X X X	4	2	6
38	X X X X X X X X	6	2	8
37	X X X X X X X X	7	1	8
36	X X X X X X X X X X X X X X	9	5	14
35	X X X X X X X X X X X X X X X X X X	13	7	20
34	X X X X X X X X X X X X X X X X X X	8	9	17
33	X X X X X X X X X X X X X X X X X X	11	11	22
32	X X X X X X X X X X X X X X X X X X	9	13	22
31	X X X X X X X X X X X X X X X X X X	8	13	21
30	X X X X X X X X X X X X X X X X X X	6	14	20
29	X X X X X X X X X	5	4	9
28	X X X X X X X	4	3	7
27	X X X X X X	3	3	6
26	X X X X X X	1	6	7
25	X X X	1	2	3
24	X X X X	1	3	4
23	X X X X	3	1	4
22	X	0	1	1
21	X X	0	2	2
20	X	0	1	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		129	104	233

LIMITS (BTN): WALNUT CREEK PKWY TO VINCENT AVE

OBSERVATION POINT: 445 GLENDORA AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.1</u>	<u>35.2</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>35.2</u>	<u>31.1</u>	<u>33.4</u>	M.P.H.
15TH %:	<u>29.3</u>	<u>26.9</u>	<u>27.8</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>26 - 35</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>80%</u>	<u>69%</u>	
% OVER PACE:	<u>18%</u>	<u>11%</u>	<u>16%</u>	
% UNDER PACE:	<u>19%</u>	<u>10%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>35.24</u>	<u>31.06</u>	<u>33.37</u>	M.P.H.
SAMPLE VARIANCE:	<u>32.31</u>	<u>16.09</u>	<u>29.31</u>	
STANDARD DEVIATION:	<u>5.68</u>	<u>4.01</u>	<u>5.41</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.25</u>	<u>0.15</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.50</u>	<u>0.39</u>	<u>0.35</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 12:11PM TO 12:30PM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49	X	1	0	1
48	X X	2	0	2
47	X X X X X X	2	4	6
46	X X X	2	1	3
45	X X X X X	4	1	5
44	X X X X X X	4	2	6
43	X X X X X X	3	3	6
42	X X X X X	4	0	4
41	X X X X X X X X X X	5	4	9
40	X X X X X X X X X X X	4	6	10
39	X X X X X X X X X X X X X X	8	6	14
38	X X X X X X X X X X X	3	7	10
37	X X X X X X X X X X X X X X X X	11	5	16
36	X X X X X X X X X X X X X X X X X X	11	7	18
35	X X X X X X X X X X X X X X X X X X	6	8	14
34	X X X X X X X X X	2	6	8
33	X X X X X X X X X X X X X X X X	10	4	14
32	X X X X X X X X X X X X X X X X X X X X	7	11	18
31	X X X X X X X X X X X X X X X X X X	4	9	13
30	X X X X X X X X X X X X	6	5	11
29	X X X X X X X	0	6	6
28	X X X X X X X	1	5	6
27	X X X X X	1	3	4
26	X	0	1	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		102	104	206

LIMITS (BTN): VINCENT AVE TO CAMERON AVE

OBSERVATION POINT: 706 GLENDORA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.8</u>	<u>40.5</u>	<u>41.8</u>	M.P.H.
50TH %:	<u>37.4</u>	<u>35.1</u>	<u>36.3</u>	M.P.H.
15TH %:	<u>32.1</u>	<u>29.8</u>	<u>30.8</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>66%</u>	<u>66%</u>	
% OVER PACE:	<u>31%</u>	<u>14%</u>	<u>26%</u>	
% UNDER PACE:	<u>2%</u>	<u>19%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>37.44</u>	<u>35.14</u>	<u>36.28</u>	M.P.H.
SAMPLE VARIANCE:	<u>26.88</u>	<u>26.73</u>	<u>28.00</u>	
STANDARD DEVIATION:	<u>5.18</u>	<u>5.17</u>	<u>5.29</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.26</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.51</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 12:35PM TO 12:57PM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47	X	0	1	1
46	X X X	1	2	3
45	X X X	0	3	3
44	X X X X X X X	0	7	7
43	X X X X X X X X	5	3	8
42	X X X X X X X	0	6	6
41	X X X X X X X X X X X X	4	7	11
40	X X X X X X X X X X X X X X X X	6	9	15
39	X X	15	5	20
38	X X	10	7	17
37	X X X X X X X X X X X X X	7	4	11
36	X X X X X X X X X X X X X X X X	6	8	14
35	X X X X X X X X X X X	5	5	10
34	X X X X X X X X X X X X X X	6	7	13
33	X X X X X X X X	2	5	7
32	X X	10	8	18
31	X X	9	7	16
30	X X X X X X X X X	5	3	8
29	X X X X X X X X X X X X X X	7	5	12
28	X X X X X X X X	4	2	6
27	X X X X X X X X X X X	4	5	9
26	X X X X X X X X X	2	5	7
25	X X X X X	2	2	4
24	X X X X X	3	1	4
23		0	0	0
22	X X X X X	3	1	4
21	X X X X	2	1	3
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		118	120	238

LIMITS (BTN): CAMERON AVE TO VINE AVE

OBSERVATION POINT: 905 GLENDORA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.7</u>	<u>42.0</u>	<u>40.9</u>	M.P.H.
50TH %:	<u>33.9</u>	<u>35.7</u>	<u>34.8</u>	M.P.H.
15TH %:	<u>28.1</u>	<u>29.3</u>	<u>28.7</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>32 - 41</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>54%</u>	<u>59%</u>	
% OVER PACE:	<u>8%</u>	<u>19%</u>	<u>17%</u>	
% UNDER PACE:	<u>27%</u>	<u>27%</u>	<u>24%</u>	
ARITHMETIC MEAN:	<u>33.93</u>	<u>35.66</u>	<u>34.80</u>	M.P.H.
SAMPLE VARIANCE:	<u>31.33</u>	<u>37.60</u>	<u>35.10</u>	
STANDARD DEVIATION:	<u>5.60</u>	<u>6.13</u>	<u>5.92</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.27</u>	<u>0.31</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.52</u>	<u>0.56</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD: 1:00PM TO 1:24PM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X X	1	1	2
52		0	0	0
51	X	1	0	1
50	X X	2	0	2
49		0	0	0
48	X X X X	3	1	4
47	X X	0	2	2
46	X X X	1	2	3
45	X X X X X X X X X X	7	3	10
44	X X	2	0	2
43	X X X X X	1	4	5
42	X X X X	2	2	4
41	X X X X X X X X X X X X	9	2	11
40	X X	15	8	23
39	X X X	2	1	3
38	X X X X X X X X	2	6	8
37	X X X X X X X X X X X X X X X X	4	12	16
36	X X X X X X X X X X X X X X X X X X	11	6	17
35	X X X X X X X	1	6	7
34	X X X X X X X X	4	4	8
33	X X X X X X X X X X X	3	8	11
32	X X X X X X X X X X X	7	4	11
31	X X X X X X X X X X	2	8	10
30	X X X X X X X X X X X X X X X	3	12	15
29	X X X X X X X X X	7	2	9
28	X X X X X	1	4	5
27	X X X X	0	4	4
26	X X	1	1	2
25	X X	2	0	2
24		0	0	0
23	X X X X X	4	1	5
22	X X X	2	1	3
21	X X X	3	0	3
20	X X X X	4	0	4
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	105	212

LIMITS (BTN): VINE AVE TO MERCED AVE
 OBSERVATION POINT: 1014 GLENDORA AVE
 POSTED SPEED LIMIT: 40 MPH
 COMMENTS:
 OBSERVER: CARLOS
 WEATHER: SUNNY
 ROAD SURFACE: DRY
 ROAD CONDITION: FAIR
 DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.9</u>	<u>41.3</u>	<u>42.7</u>	M.P.H.
50TH %:	<u>35.7</u>	<u>35.3</u>	<u>35.5</u>	M.P.H.
15TH %:	<u>27.6</u>	<u>29.3</u>	<u>28.3</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>29 - 38</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>54%</u>	<u>65%</u>	<u>54%</u>	
% OVER PACE:	<u>19%</u>	<u>25%</u>	<u>17%</u>	
% UNDER PACE:	<u>27%</u>	<u>10%</u>	<u>29%</u>	
ARITHMETIC MEAN:	<u>35.73</u>	<u>35.26</u>	<u>35.50</u>	M.P.H.
SAMPLE VARIANCE:	<u>61.99</u>	<u>33.50</u>	<u>47.71</u>	
STANDARD DEVIATION:	<u>7.87</u>	<u>5.79</u>	<u>6.91</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.58</u>	<u>0.32</u>	<u>0.23</u>	
STD. ERROR OF THE MEAN:	<u>0.76</u>	<u>0.56</u>	<u>0.47</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD : 1:30PM TO 1:51PM

LOCATION: GLENDORA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58	X	0	1	1
57		0	0	0
56	X	0	1	1
55		0	0	0
54	X X	0	2	2
53	X	1	0	1
52	X	1	0	1
51	X X X	1	2	3
50	X	0	1	1
49	X X X X X	4	1	5
48	X X X	0	3	3
47	X X X X X X	3	3	6
46	X X X X X X X X	3	5	8
45	X X X X X X X X X X X X X X	7	6	13
44	X X X X X X X X X X X X	3	9	12
43	X X X X X X X X X X	4	6	10
42	X X X X X X X X X X X X X X	4	10	14
41	X X X X X X X X X X X X X X X X X X	5	12	17
40	X X X X X X X X X X X X X X X X X X X X	9	11	20
39	X X X X X X X X X X	5	4	9
38	X X X X X X X X X X X X X X	8	5	13
37	X X X X X X X X X X X X X X X X X X	6	10	16
36	X X X X X X X X X X X X	3	8	11
35	X X X X X X	3	3	6
34	X X X X X X X X X X X X X X	4	9	13
33	X X X X X X X X X X X X X X X X X X	8	8	16
32	X X X X X X X X	1	6	7
31	X X X X X	5	0	5
30	X X X X X X	4	2	6
29	X X X X X	4	1	5
28	X X X X	3	1	4
27	X X X X	2	2	4
26	X X	2	0	2
25	X	1	0	1
24	X	1	0	1
23		0	0	0
22		0	0	0
21	X	1	0	1
20	X	1	0	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	133	240

LIMITS (BTN): MERCED AVE TO SOUTH CITY LIMITS

OBSERVATION POINT: 1216 GLENDORA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.8</u>	<u>46.3</u>	<u>45.7</u>	M.P.H.
50TH %:	<u>37.6</u>	<u>40.0</u>	<u>38.9</u>	M.P.H.
15TH %:	<u>30.3</u>	<u>33.7</u>	<u>32.1</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>51%</u>	<u>61%</u>	<u>56%</u>	
% OVER PACE:	<u>25%</u>	<u>15%</u>	<u>14%</u>	
% UNDER PACE:	<u>23%</u>	<u>24%</u>	<u>30%</u>	
ARITHMETIC MEAN:	<u>37.57</u>	<u>39.96</u>	<u>38.90</u>	M.P.H.
SAMPLE VARIANCE:	<u>48.76</u>	<u>37.08</u>	<u>43.52</u>	
STANDARD DEVIATION:	<u>6.98</u>	<u>6.09</u>	<u>6.60</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.46</u>	<u>0.28</u>	<u>0.18</u>	
STD. ERROR OF THE MEAN:	<u>0.68</u>	<u>0.53</u>	<u>0.43</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 10:02AM TO 10:18AM

LOCATION: GRAND AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	0	1	1
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	1	0	1
47	X X	2	0	2
46		0	0	0
45		0	0	0
44	X X X X	4	0	4
43	X X	2	0	2
42	X X X	2	1	3
41	X X X X X X X	4	3	7
40	X X X X X X	4	2	6
39	X X X X X X	4	2	6
38	X X X X X X X	4	3	7
37	X X X X X X X X X X X X X X X X X X	9	9	18
36	X X	11	17	28
35	X X	7	15	22
34	X X X X X X X X X X X	4	7	11
33	X X X X X X X X X X X X X X X X X X	4	13	17
32	X X X X X X X X X X X X X X X X	3	12	15
31	X X X X X X X X X X X	4	7	11
30	X X X X X X X X X X X X	5	7	12
29	X X X X X X X X X X X X X	10	3	13
28	X X X X X X X	6	1	7
27	X X X X X X X	5	2	7
26	X X X	3	0	3
25	X X X X X	4	1	5
24	X X X X X	5	0	5
23	X X	2	0	2
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	106	215

LIMITS (BTN): NORTH CITY LIMITS TO SOUTH CITY LIMITS (VIRGINIA AVE)

OBSERVATION POINT: REGENCY GRAND **OBSERVER:** CARLOS

POSTED SPEED LIMIT: 40/45 MPH **WEATHER:** SUNNY

COMMENTS: **ROAD SURFACE:** DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.9</u>	<u>38.1</u>	<u>39.2</u>	M.P.H.
50TH %:	<u>33.7</u>	<u>34.3</u>	<u>34.0</u>	M.P.H.
15TH %:	<u>27.4</u>	<u>30.4</u>	<u>28.7</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>58%</u>	<u>88%</u>	<u>72%</u>	
% OVER PACE:	<u>25%</u>	<u>8%</u>	<u>15%</u>	
% UNDER PACE:	<u>17%</u>	<u>4%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>33.66</u>	<u>34.27</u>	<u>33.96</u>	M.P.H.
SAMPLE VARIANCE:	<u>36.56</u>	<u>13.93</u>	<u>25.38</u>	
STANDARD DEVIATION:	<u>6.05</u>	<u>3.73</u>	<u>5.04</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.13</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.58</u>	<u>0.36</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-28-17 DAY: TUESDAY TIME PERIOD : 12:20PM TO 2:20PM

LOCATION: HILLSIDE DRIVE

SPEED (MPH)	TOTAL VEHICLES SURVEYED										TOTAL		
											EB	WB	VEHICLES
65											0	0	0
64											0	0	0
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57											0	0	0
56											0	0	0
55											0	0	0
54											0	0	0
53											0	0	0
52											0	0	0
51											0	0	0
50											0	0	0
49											0	0	0
48											0	0	0
47											0	0	0
46											0	0	0
45											0	0	0
44											0	0	0
43											0	0	0
42											0	0	0
41											0	0	0
40											0	0	0
39	X										1	0	1
38											0	0	0
37											0	0	0
36	X	X									2	0	2
35	X	X	X	X	X						3	2	5
34	X	X	X	X							3	1	4
33	X	X	X	X	X						3	2	5
32	X	X	X	X	X						3	2	5
31	X	X	X								2	2	4
30	X	X	X	X	X						3	3	6
29	X	X	X	X	X	X					4	3	7
28	X	X	X	X	X	X					2	4	6
27	X	X	X	X	X	X					3	4	7
26	X	X	X	X	X	X	X				4	4	8
25	X	X	X	X	X						4	2	6
24	X	X									0	2	2
23											0	0	0
22											0	0	0
21	X	X	X								1	2	3
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											38	33	71

LIMITS (BTN): WESTRIDGE RD TO FOOTHILL DR

OBSERVATION POINT: 2750 HILLSIDE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>34.3</u>	<u>32.1</u>	<u>33.3</u>	M.P.H.
50TH %:	<u>30.1</u>	<u>28.4</u>	<u>29.3</u>	M.P.H.
15TH %:	<u>25.9</u>	<u>24.7</u>	<u>25.3</u>	M.P.H.
10 MPH PACE:	<u>25 - 34</u>	<u>24 - 33</u>	<u>25 - 34</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>85%</u>	<u>82%</u>	
% OVER PACE:	<u>16%</u>	<u>9%</u>	<u>11%</u>	
% UNDER PACE:	<u>3%</u>	<u>6%</u>	<u>7%</u>	
ARITHMETIC MEAN:	<u>30.08</u>	<u>28.39</u>	<u>29.30</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.24</u>	<u>12.87</u>	<u>15.18</u>	
STANDARD DEVIATION:	<u>4.03</u>	<u>3.59</u>	<u>3.90</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.43</u>	<u>0.39</u>	<u>0.21</u>	
STD. ERROR OF THE MEAN:	<u>0.65</u>	<u>0.62</u>	<u>0.46</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-28-17 DAY: TUESDAY TIME PERIOD : 2:25PM TO 4:25PM

LOCATION: HILLSIDE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40	X X X	3	0	3
39		0	0	0
38	X X X X	2	2	4
37	X X X X	1	3	4
36	X X	2	0	2
35	X X X	1	2	3
34	X X X X X	3	2	5
33	X X X X	3	1	4
32	X X X X X X X	3	4	7
31	X X X X X	4	1	5
30	X X X X X X	2	4	6
29	X X X X	2	2	4
28	X X X X	2	2	4
27	X X X X X X X X X X	5	5	10
26	X X X	0	3	3
25	X X X	0	3	3
24	X X	0	2	2
23	X X	0	2	2
22		0	0	0
21	X X X	0	3	3
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		33	41	74

LIMITS (BTN): FOOTHILL DR TO CITRUS ST

OBSERVATION POINT: 2945 HILLSIDE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>36.6</u>	<u>34.2</u>	<u>35.6</u>	M.P.H.
50TH %:	<u>32.4</u>	<u>29.2</u>	<u>30.6</u>	M.P.H.
15TH %:	<u>28.2</u>	<u>24.1</u>	<u>25.7</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>23 - 32</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>68%</u>	<u>69%</u>	
% OVER PACE:	<u>18%</u>	<u>24%</u>	<u>18%</u>	
% UNDER PACE:	<u>0%</u>	<u>7%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>32.42</u>	<u>29.17</u>	<u>30.62</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.44</u>	<u>23.65</u>	<u>22.81</u>	
STANDARD DEVIATION:	<u>4.05</u>	<u>4.86</u>	<u>4.78</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.50</u>	<u>0.58</u>	<u>0.31</u>	
STD. ERROR OF THE MEAN:	<u>0.71</u>	<u>0.76</u>	<u>0.56</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-31-17 DAY: FRIDAY TIME PERIOD : 1:06PM TO 3:06PM

LOCATION: HILLSIDE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43	X X	2	0	2
42		0	0	0
41		0	0	0
40	X X X X X	4	1	5
39	X X X	2	1	3
38	X X X	2	1	3
37	X X X	2	1	3
36	X X X X	2	2	4
35	X X X X X X X X	6	2	8
34	X X X X X X X X	2	6	8
33	X X X X	2	2	4
32	X X X X X X X X	2	6	8
31	X X X X X X	2	4	6
30	X X X X X	2	3	5
29	X X X X X	2	3	5
28	X X X X X X X X	4	4	8
27	X X	2	0	2
26	X X X	1	2	3
25		0	0	0
24	X X	2	0	2
23	X X X X	0	4	4
22	X X	2	0	2
21	X X X X	0	4	4
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		43	46	89

LIMITS (BTN): CITRUS ST TO SUNRISE RD

OBSERVATION POINT: 3041 HILLSIDE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.7</u>	<u>35.6</u>	<u>37.2</u>	M.P.H.
50TH %:	<u>33.0</u>	<u>30.4</u>	<u>31.7</u>	M.P.H.
15TH %:	<u>27.3</u>	<u>25.2</u>	<u>26.1</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>28 - 37</u>	<u>28 - 37</u>	M.P.H.
% IN PACE:	<u>60%</u>	<u>72%</u>	<u>66%</u>	
% OVER PACE:	<u>5%</u>	<u>7%</u>	<u>15%</u>	
% UNDER PACE:	<u>35%</u>	<u>22%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>32.98</u>	<u>30.41</u>	<u>31.65</u>	M.P.H.
SAMPLE VARIANCE:	<u>30.45</u>	<u>24.91</u>	<u>28.93</u>	
STANDARD DEVIATION:	<u>5.52</u>	<u>4.99</u>	<u>5.38</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.71</u>	<u>0.54</u>	<u>0.33</u>	
STD. ERROR OF THE MEAN:	<u>0.84</u>	<u>0.74</u>	<u>0.57</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-31-17 DAY: FRIDAY TIME PERIOD: 11:03AM TO 1:03PM

LOCATION: HILLSIDE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	1	0	1
45		0	0	0
44		0	0	0
43	X X	2	0	2
42		0	0	0
41	X X X X	2	2	4
40	X X X	2	1	3
39	X X X	1	2	3
38	X X X X X	1	4	5
37	X X X X	2	2	4
36	X X X X	2	2	4
35	X X X X X X X	5	2	7
34	X X X X X X	4	2	6
33	X X X X X X X X	6	2	8
32	X X X X X X X X X	5	4	9
31	X X X X X X X X X X	8	2	10
30	X X X X X X X	3	4	7
29	X X X X X X X X X X X	3	9	12
28	X X X X X X X	1	6	7
27	X X X	1	2	3
26	X X X	2	1	3
25	X X X	1	2	3
24	X X	2	0	2
23	X X X X X X	4	2	6
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		58	51	109

LIMITS (BTN): SUNRISE RD TO HOLIDAY RD

OBSERVATION POINT: 3101 HILLSIDE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.0</u>	<u>36.6</u>	<u>37.3</u>	M.P.H.
50TH %:	<u>32.5</u>	<u>31.7</u>	<u>32.1</u>	M.P.H.
15TH %:	<u>27.0</u>	<u>26.8</u>	<u>26.9</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>28 - 37</u>	<u>28 - 37</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>69%</u>	<u>68%</u>	
% OVER PACE:	<u>14%</u>	<u>18%</u>	<u>17%</u>	
% UNDER PACE:	<u>19%</u>	<u>14%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>32.47</u>	<u>31.71</u>	<u>32.11</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.25</u>	<u>22.29</u>	<u>25.38</u>	
STANDARD DEVIATION:	<u>5.32</u>	<u>4.72</u>	<u>5.04</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.49</u>	<u>0.44</u>	<u>0.23</u>	
STD. ERROR OF THE MEAN:	<u>0.70</u>	<u>0.66</u>	<u>0.48</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-31-17 DAY: FRIDAY TIME PERIOD : 9:00AM TO 11:00AM

LOCATION: HILLSIDE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40	X	0	1	1
39	X X X	2	1	3
38	X X X X	4	0	4
37	X	0	1	1
36	X X X X X X X	3	4	7
35	X X X X X X X X X X X X X	6	6	12
34	X X X X X X	1	5	6
33	X X X X X X X X X X X	10	1	11
32	X X X X X X X X X X X	3	7	10
31	X X X	2	1	3
30	X X X X X X X X X X X	4	6	10
29	X X X X X	2	2	4
28	X X X X X X	3	3	6
27	X X	2	0	2
26	X	0	1	1
25	X	1	0	1
24	X	0	1	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		43	40	83

LIMITS (BTN): HOLIDAY DR TO GRAND AVE

OBSERVATION POINT: 3100 HILLSIDE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>36.4</u>	<u>36.1</u>	<u>36.2</u>	M.P.H.
50TH %:	<u>32.8</u>	<u>32.5</u>	<u>32.7</u>	M.P.H.
15TH %:	<u>29.2</u>	<u>28.9</u>	<u>29.1</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>28 - 37</u>	<u>27 - 36</u>	M.P.H.
% IN PACE:	<u>84%</u>	<u>90%</u>	<u>86%</u>	
% OVER PACE:	<u>14%</u>	<u>5%</u>	<u>11%</u>	
% UNDER PACE:	<u>2%</u>	<u>5%</u>	<u>4%</u>	
ARITHMETIC MEAN:	<u>32.81</u>	<u>32.50</u>	<u>32.66</u>	M.P.H.
SAMPLE VARIANCE:	<u>12.20</u>	<u>11.74</u>	<u>11.86</u>	
STANDARD DEVIATION:	<u>3.49</u>	<u>3.43</u>	<u>3.44</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.28</u>	<u>0.29</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.54</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 12:44PM TO 1:25PM

LOCATION: HOLLENBECK STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55	X	0	1	1
54	X	0	1	1
53	X	0	1	1
52	X X	1	1	2
51	X	1	0	1
50	X X	2	0	2
49	X X X X	3	1	4
48	X X	1	1	2
47	X X X X X X X	4	3	7
46	X X X X X X X X	2	6	8
45	X X X X X X X X X X	5	5	10
44	X X X X X X X X X X X X	8	6	14
43	X X X X X X X X X X X X	5	7	12
42	X X X X X X X X X X X X X X X X	7	11	18
41	X X X X X X X X X X X X X X	5	8	13
40	X X	14	9	23
39	X X X X X X X X X X X X X X X X X X X X	8	13	21
38	X X	13	10	23
37	X X X X X X X X X X X X	5	7	12
36	X X X X X X X X X X X X X	8	5	13
35	X X X X X X X X X X X	7	3	10
34	X X X X X	1	4	5
33	X X	1	1	2
32	X	1	0	1
31	X X	2	0	2
30		0	0	0
29		0	0	0
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	104	208

LIMITS (BTN): NORTH CITY LIMITS TO CORTEZ ST

OBSERVATION POINT: 421 HOLLENBECK ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>45.2</u>	<u>45.5</u>	<u>45.3</u>	M.P.H.
50TH %:	<u>40.5</u>	<u>41.0</u>	<u>40.8</u>	M.P.H.
15TH %:	<u>35.9</u>	<u>36.6</u>	<u>36.2</u>	M.P.H.
10 MPH PACE:	<u>35 - 44</u>	<u>37 - 46</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>79%</u>	<u>76%</u>	
% OVER PACE:	<u>18%</u>	<u>9%</u>	<u>14%</u>	
% UNDER PACE:	<u>5%</u>	<u>13%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>40.52</u>	<u>41.04</u>	<u>40.78</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.02</u>	<u>18.74</u>	<u>19.35</u>	
STANDARD DEVIATION:	<u>4.47</u>	<u>4.33</u>	<u>4.40</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.18</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.42</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD : 10:40AM TO 11:07AM

LOCATION: HOLLENBECK STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X	0	1	1
46		0	0	0
45		0	0	0
44	X	0	1	1
43	X X	1	1	2
42	X X X X	4	0	4
41	X X X X X X	5	1	6
40	X X X X X X	5	1	6
39	X X X X X X	5	1	6
38	X X X X X X X X X X X X X X	9	5	14
37	X X X X X X X X X X X X X X X X X X	11	7	18
36	X X X X X X X X X X X X X X X X X X	10	7	17
35	X X X X X X X X X X X X X X X X X X	10	10	20
34	X X X X X X X X X X X X X X X X X X	11	9	20
33	X X X X X X X X X X X X X X X X X X	10	10	20
32	X X X X X X X X X X X X X X X X X X	8	12	20
31	X X X X X X X X X X X X X X X X X X	7	10	17
30	X X X X X X X X X X X X X X	5	8	13
29	X X X X X X X X X X	2	7	9
28	X X X X X X X X X X	1	7	8
27	X X X X X X	0	5	5
26	X X X X X	1	3	4
25	X X X X X	2	2	4
24	X X X	2	0	2
23	X X X	2	1	3
22		0	0	0
21		0	0	0
20	X	0	1	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		111	110	221

LIMITS (BTN): CORTEZ ST TO CAMERON AVE

OBSERVATION POINT: 632 HOLLENBECK ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.2</u>	<u>37.0</u>	<u>38.2</u>	M.P.H.
50TH %:	<u>34.7</u>	<u>32.5</u>	<u>33.6</u>	M.P.H.
15TH %:	<u>30.2</u>	<u>28.1</u>	<u>29.0</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>28 - 37</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>79%</u>	<u>76%</u>	
% OVER PACE:	<u>9%</u>	<u>10%</u>	<u>12%</u>	
% UNDER PACE:	<u>14%</u>	<u>11%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>34.71</u>	<u>32.55</u>	<u>33.63</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.75</u>	<u>18.60</u>	<u>19.77</u>	
STANDARD DEVIATION:	<u>4.33</u>	<u>4.31</u>	<u>4.45</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.17</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.41</u>	<u>0.30</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD: 11:11AM TO 11:46AM

LOCATION: HOLLENBECK STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X	1	0	1
52		0	0	0
51	X	0	1	1
50	X X	1	1	2
49	X	0	1	1
48		0	0	0
47	X X X	1	2	3
46	X X X	1	2	3
45	X X	1	1	2
44	X X X X X X X X	6	2	8
43	X X X X X X X	5	2	7
42	X X X X X X X X X	5	4	9
41	X X X X X X X X X X X	7	4	11
40	X X X X X X X X X X X X X	6	8	14
39	X X X X X X X X X X X X X	6	8	14
38	X X X X X X X X X X X X X X X X X	10	10	20
37	X X X X X X X X X X X X X X X X X	7	10	17
36	X X X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X X X X X X X X X	10	10	20
34	X X X X X X X X X X X X X X X X X X	8	10	18
33	X X X X X X X X X X X X X X X X X	6	10	16
32	X X X X X X X X X X	4	5	9
31	X X X X X	4	1	5
30	X X X X X	2	3	5
29	X X X X	2	1	3
28	X X X	2	1	3
27	X	1	0	1
26	X	0	1	1
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	109	215

LIMITS (BTN): CAMERON AVE TO VINE AVE

OBSERVATION POINT: 916 HOLLENBECK ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.3</u>	<u>41.9</u>	<u>42.1</u>	M.P.H.
50TH %:	<u>37.4</u>	<u>37.0</u>	<u>37.2</u>	M.P.H.
15TH %:	<u>32.4</u>	<u>32.2</u>	<u>32.3</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>32 - 41</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>78%</u>	<u>74%</u>	
% OVER PACE:	<u>15%</u>	<u>15%</u>	<u>13%</u>	
% UNDER PACE:	<u>14%</u>	<u>7%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>37.39</u>	<u>37.05</u>	<u>37.21</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.89</u>	<u>22.23</u>	<u>22.48</u>	
STANDARD DEVIATION:	<u>4.78</u>	<u>4.71</u>	<u>4.74</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.20</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.45</u>	<u>0.32</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-31-17 DAY: TUESDAY TIME PERIOD: 11:50AM TO 12:28PM

LOCATION: HOLLENBECK STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED		TOTAL VEHICLES
	NB	SB	
65			0
64			0
63			0
62			0
61			0
60			0
59			0
58			0
57			0
56			0
55			0
54	X		1
53			0
52	X		1
51			0
50	X		1
49			0
48	X		1
47	X	X	5
46	X	X	3
45	X	X	4
44	X	X	4
43	X	X	10
42	X	X	10
41	X	X	10
40	X	X	10
39	X	X	12
38	X	X	14
37	X	X	18
36	X	X	18
35	X	X	14
34	X	X	19
33	X	X	13
32	X	X	14
31	X	X	11
30	X	X	7
29	X	X	4
28	X		1
27	X		2
26	X		1
25	X		1
24	X		1
23			0
22			0
21			0
20			0
19	X		1
18			0
17			0
16			0
15			0
	105	106	211

LIMITS (BTN): VINE AVE TO MERCED AVE

OBSERVATION POINT: 1102 HOLLENBECK ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.2</u>	<u>42.2</u>	<u>42.2</u>	M.P.H.
50TH %:	<u>36.8</u>	<u>36.7</u>	<u>36.8</u>	M.P.H.
15TH %:	<u>31.5</u>	<u>31.2</u>	<u>31.4</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>32 - 41</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>65%</u>	<u>68%</u>	
% OVER PACE:	<u>23%</u>	<u>20%</u>	<u>24%</u>	
% UNDER PACE:	<u>7%</u>	<u>15%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>36.85</u>	<u>36.74</u>	<u>36.79</u>	M.P.H.
SAMPLE VARIANCE:	<u>26.96</u>	<u>28.04</u>	<u>27.38</u>	
STANDARD DEVIATION:	<u>5.19</u>	<u>5.30</u>	<u>5.23</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.26</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.51</u>	<u>0.36</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 9:25AM TO 9:48AM

LOCATION: HOLT AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X	0	1	1
46		0	0	0
45	X X	0	2	2
44	X X	1	1	2
43	X X X X X X	3	3	6
42	X X X X X X X X	4	4	8
41	X X X X X X X X X X X X	5	7	12
40	X X X X X X X X X X X X X X X X X X	10	10	20
39	X X X X X X X X X X X X X X	5	9	14
38	X X X X X X X X X X X X X X X X	4	13	17
37	X X X X X X X X X X X X X X	6	8	14
36	X X X X X X X X X X X X X X X X X X	10	8	18
35	X X	15	6	21
34	X X X X X X X X X X X X X X X X X X	8	9	17
33	X X X X X X X X X X X X X X X X X X X X	10	11	21
32	X X X X X X X X X X X X	5	7	12
31	X X X X X X X X X X	5	4	9
30	X X X X X X	5	1	6
29	X X X X X X X X X X	6	3	9
28	X X X X X X	5	0	5
27	X X X	2	1	3
26	X X	2	0	2
25	X	1	0	1
24	X	1	0	1
23	X	1	0	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		114	108	222

LIMITS (BTN): GARVEY AVE SOUTH TO GRAND AVE

OBSERVATION POINT: 3306 HOLT AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.6</u>	<u>40.8</u>	<u>40.3</u>	M.P.H.
50TH %:	<u>34.7</u>	<u>36.7</u>	<u>35.7</u>	M.P.H.
15TH %:	<u>29.9</u>	<u>32.6</u>	<u>31.1</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>81%</u>	<u>75%</u>	
% OVER PACE:	<u>7%</u>	<u>10%</u>	<u>9%</u>	
% UNDER PACE:	<u>25%</u>	<u>8%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>34.73</u>	<u>36.71</u>	<u>35.69</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.72</u>	<u>15.66</u>	<u>19.68</u>	
STANDARD DEVIATION:	<u>4.66</u>	<u>3.96</u>	<u>4.44</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.15</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.38</u>	<u>0.30</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD: 9:00AM TO 9:21AM

LOCATION: HOLT AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51	XX	0	2	2
50	X	0	1	1
49	XX	2	0	2
48	XXXX	2	2	4
47	XXXX	3	1	4
46	XXXXXXXXXXXXXXXX	6	6	12
45	XXXXXXXXXXXXXXXX	8	6	14
44	XXXXXXXXXXXXXXXX	6	7	13
43	XXXXXXXXXXXXXXXX	9	6	15
42	XXXXXXXXXXXXXXXX	10	10	20
41	XXXXXXXXXXXXXXXX	11	10	21
40	XXXXXXXXXXXXXXXX	9	9	18
39	XXXXXXXXXXXXXXXX	7	12	19
38	XXXXXXXXXXXXXXXX	10	14	24
37	XXXXXXXXXXXXXXXX	9	8	17
36	XXXXXXXXXXXXXXXX	6	9	15
35	XXXXXXXXXXXXXXXX	12	8	20
34	XXXXXXXXXXXXXXXX	5	10	15
33	XXXX	2	2	4
32	XXXXXXXXXX	3	6	9
31	XX	1	1	2
30	X	1	0	1
29		0	0	0
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		122	130	252

LIMITS (BTN): GRAND AVE TO EAST CITY LIMITS

OBSERVATION POINT: 3614 HOLT AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>44.4</u>	<u>44.0</u>	<u>44.2</u>	M.P.H.
50TH %:	<u>39.9</u>	<u>39.4</u>	<u>39.7</u>	M.P.H.
15TH %:	<u>35.4</u>	<u>34.9</u>	<u>35.2</u>	M.P.H.
10 MPH PACE:	<u>35 - 44</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>73%</u>	<u>74%</u>	<u>73%</u>	
% OVER PACE:	<u>17%</u>	<u>19%</u>	<u>21%</u>	
% UNDER PACE:	<u>10%</u>	<u>7%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>39.90</u>	<u>39.43</u>	<u>39.66</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.63</u>	<u>19.12</u>	<u>18.86</u>	
STANDARD DEVIATION:	<u>4.32</u>	<u>4.37</u>	<u>4.34</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.15</u>	<u>0.15</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.38</u>	<u>0.27</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD: 11:42AM TO 12:03PM

LOCATION: LA PUENTE ROAD

SPEED (MPH)	TOTAL VEHICLES SURVEYED										TOTAL			
	EB	WB	VEHICLES								EB	WB	VEHICLES	
65	X											0	1	1
64												0	0	0
63												0	0	0
62												0	0	0
61												0	0	0
60												0	0	0
59												0	0	0
58												0	0	0
57	X											1	0	1
56												0	0	0
55	X											1	0	1
54	X	X										0	2	2
53												0	0	0
52	X	X	X									3	1	4
51	X	X	X									3	0	3
50	X	X	X	X	X							3	4	7
49	X	X	X	X	X							2	4	6
48	X	X	X	X								1	4	5
47	X	X	X	X	X	X	X					4	6	10
46	X	X	X	X	X	X						3	5	8
45	X	X	X	X	X	X	X	X				4	7	11
44	X	X	X	X	X	X	X	X	X			7	6	13
43	X	X	X	X	X	X	X	X	X	X	X	14	8	22
42	X	X	X	X	X	X	X	X	X	X	X	9	6	15
41	X	X	X	X	X	X	X	X	X	X	X	13	8	21
40	X	X	X	X	X	X	X	X	X			7	6	13
39	X	X	X	X	X	X	X	X	X	X	X	12	7	19
38	X	X	X	X	X	X	X	X	X	X	X	14	7	21
37	X	X	X	X	X	X	X	X	X	X	X	9	13	22
36	X	X	X	X	X	X	X					5	6	11
35	X	X	X	X								3	3	6
34	X	X	X	X								3	3	6
33	X	X	X	X								3	3	6
32	X	X	X									0	3	3
31	X											1	0	1
30												0	0	0
29												0	0	0
28												0	0	0
27												0	0	0
26	X											1	0	1
25												0	0	0
24												0	0	0
23												0	0	0
22												0	0	0
21												0	0	0
20												0	0	0
19												0	0	0
18												0	0	0
17												0	0	0
16												0	0	0
15												0	0	0
												126	113	239

LIMITS (BTN): NOGALES ST TO SENTOUS AVE

OBSERVATION POINT: 2800 LA PUENTE RD

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.5</u>	<u>47.4</u>	<u>46.9</u>	M.P.H.
50TH %:	<u>41.3</u>	<u>41.6</u>	<u>41.4</u>	M.P.H.
15TH %:	<u>36.1</u>	<u>35.9</u>	<u>36.0</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>65%</u>	<u>70%</u>	
% OVER PACE:	<u>17%</u>	<u>24%</u>	<u>20%</u>	
% UNDER PACE:	<u>9%</u>	<u>11%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>41.27</u>	<u>41.65</u>	<u>41.45</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.27</u>	<u>30.84</u>	<u>27.82</u>	
STANDARD DEVIATION:	<u>5.03</u>	<u>5.55</u>	<u>5.27</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.20</u>	<u>0.27</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.52</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD: 11:15AM TO 11:38AM

LOCATION: LA PUENTE ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	0	1	1
56	X X X	1	2	3
55	X	0	1	1
54	X X	1	1	2
53	X X X	0	3	3
52	X X X X X X	1	5	6
51	X X X X X X	2	4	6
50	X X X X X X X X	2	6	8
49	X X X X X X X X	1	7	8
48	X X X X X X	2	4	6
47	X X X X X X X X X X X X X X X X	6	9	15
46	X X	6	16	22
45	X X	5	13	18
44	X X X X X X X X X X X X X X X X X X	7	10	17
43	X X X X X X X X X X X X X X	4	9	13
42	X X X X X X X X X X X X X X	9	4	13
41	X X	12	7	19
40	X X X X X X X X X X	6	4	10
39	X X X X X X X X X X X X X X X X	9	5	14
38	X X X X X X X X X X X X X X	8	4	12
37	X X X X X X X X X X X X X X X X	9	5	14
36	X X X X X X X X X X	3	6	9
35	X X X X X X X X X X	3	5	8
34	X X X X X X X X X X X X	6	4	10
33	X X X X X X X X	4	3	7
32	X X X X X X X X X X	4	3	7
31	X X X X X X X X X X	4	3	7
30	X X X X X	4	0	4
29	X X X X	3	0	3
28	X X	2	0	2
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		124	144	268

LIMITS (BTN): SENTOUS AVE TO EAST CITY LIMITS

OBSERVATION POINT: 3108 LA PUENTE RD

POSTED SPEED LIMIT: 45 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.0</u>	<u>49.8</u>	<u>48.3</u>	M.P.H.
50TH %:	<u>39.8</u>	<u>43.5</u>	<u>41.8</u>	M.P.H.
15TH %:	<u>33.6</u>	<u>37.3</u>	<u>35.3</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>41 - 50</u>	<u>38 - 47</u>	M.P.H.
% IN PACE:	<u>60%</u>	<u>59%</u>	<u>57%</u>	
% OVER PACE:	<u>13%</u>	<u>12%</u>	<u>16%</u>	
% UNDER PACE:	<u>27%</u>	<u>29%</u>	<u>26%</u>	
ARITHMETIC MEAN:	<u>39.79</u>	<u>43.53</u>	<u>41.80</u>	M.P.H.
SAMPLE VARIANCE:	<u>35.45</u>	<u>36.19</u>	<u>39.22</u>	
STANDARD DEVIATION:	<u>5.95</u>	<u>6.02</u>	<u>6.26</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.25</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.50</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-03-17 DAY: MONDAY TIME PERIOD : 2:43PM TO 3:23PM

LOCATION: LAKES DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40		0	0	0
39		0	0	0
38		0	0	0
37		0	0	0
36		0	0	0
35		0	0	0
34		0	0	0
33		0	0	0
32	X	0	1	1
31	X X X X X	0	5	5
30	X	0	1	1
29	X X	1	1	2
28	X X X X X X X	0	7	7
27	X X X X	1	3	4
26	X X X X X X X X X X X X X X X X X X	12	9	21
25	X X X X X X X X X X X X X X X X X	7	11	18
24	X X	13	12	25
23	X X X X X X X X X X X X X X X X X	9	8	17
22	X X	15	12	27
21	X X X X X X X X X X X X X X X X X X	10	7	17
20	X X	15	12	27
19	X X X X X X X X X X X X X X X X X X	10	9	19
18	X X X X X X X X X X X X X X X X X	7	8	15
17	X X X X X X	3	3	6
16	X X	1	1	2
15		0	0	0
		104	110	214

LIMITS (BTN): LAKES DR (E-W) TO GLENDORA AVE

OBSERVATION POINT: 1000 LAKES DR

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLEAR

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>24.8</u>	<u>26.9</u>	<u>26.0</u>	M.P.H.
50TH %:	<u>22.0</u>	<u>23.1</u>	<u>22.5</u>	M.P.H.
15TH %:	<u>19.1</u>	<u>19.2</u>	<u>19.1</u>	M.P.H.
10 MPH PACE:	<u>17 - 26</u>	<u>18 - 27</u>	<u>17 - 26</u>	M.P.H.
% IN PACE:	<u>97%</u>	<u>83%</u>	<u>90%</u>	
% OVER PACE:	<u>2%</u>	<u>14%</u>	<u>9%</u>	
% UNDER PACE:	<u>1%</u>	<u>4%</u>	<u>1%</u>	
ARITHMETIC MEAN:	<u>21.97</u>	<u>23.06</u>	<u>22.53</u>	M.P.H.
SAMPLE VARIANCE:	<u>7.50</u>	<u>13.71</u>	<u>10.94</u>	
STANDARD DEVIATION:	<u>2.74</u>	<u>3.70</u>	<u>3.31</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.07</u>	<u>0.12</u>	<u>0.05</u>	
STD. ERROR OF THE MEAN:	<u>0.27</u>	<u>0.35</u>	<u>0.23</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 1:10PM TO 1:44PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49		0	0	0
48	X	1	0	1
47	X X X	2	1	3
46	X X	1	1	2
45	X X X X X X X X	7	1	8
44	X X X X X X X X X X	7	3	10
43	X X X X X X X X X X X X	9	4	13
42	X X X X X X X X X X X X	7	5	12
41	X X X X X X X X X X X X X X	7	7	14
40	X X X X X X X X X X X X X X X X	8	10	18
39	X X X X X X X X X X X X X X X X	8	8	16
38	X X X X X X X X X X X X X X X X X X	11	7	18
37	X X X X X X X X X X X X X X	6	7	13
36	X X X X X X X X X X X X X X X X	9	6	15
35	X X X X X X X X X X X X X X	7	6	13
34	X X X X X X X X X X X X	6	5	11
33	X X X X X X X X X X X X	2	9	11
32	X X X X X X X X X X X X	4	6	10
31	X X X X X X X X X X X X	2	7	9
30	X X X X X X	1	4	5
29	X X X X	1	2	3
28	X X X X	1	3	4
27	X	0	1	1
26	X	0	1	1
25	X X	1	1	2
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		110	105	215

LIMITS (BTN): SAN BERNARDINO RD TO PUENTE AVE

OBSERVATION POINT: 710 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>43.8</u>	<u>41.4</u>	<u>42.7</u>	M.P.H.
50TH %:	<u>38.8</u>	<u>36.4</u>	<u>37.6</u>	M.P.H.
15TH %:	<u>33.8</u>	<u>31.4</u>	<u>32.5</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>32 - 41</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>68%</u>	<u>67%</u>	
% OVER PACE:	<u>5%</u>	<u>14%</u>	<u>12%</u>	
% UNDER PACE:	<u>24%</u>	<u>18%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>38.78</u>	<u>36.36</u>	<u>37.60</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.31</u>	<u>23.19</u>	<u>24.61</u>	
STANDARD DEVIATION:	<u>4.83</u>	<u>4.82</u>	<u>4.96</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.22</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.47</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 1:50PM TO 2:26PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL VEHICLES
		NB	SB	
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58	X	0	1	1
57	X	1	0	1
56		0	0	0
55	X	0	1	1
54	X	0	1	1
53	X X	1	1	2
52		0	0	0
51	X	1	0	1
50	X X X X X X X	3	4	7
49	X X	1	1	2
48	X X X X X	3	2	5
47	X X X X X	2	3	5
46	X X X X X	3	2	5
45	X X X X X X X X X X X X X X X X	7	5	12
44	X X X X X X X	4	3	7
43	X X X X X X X X X	6	3	9
42	X X X X X X X X X X X X X X X X	8	6	14
41	X X	13	9	22
40	X X	6	13	19
39	X X	8	13	21
38	X X	10	9	19
37	X X X X X X X X X X X X	5	6	11
36	X X X X X X X X X X X X X X	7	5	12
35	X X X X X X X	3	3	6
34	X X X X X X X X X X	4	5	9
33	X X X X	3	1	4
32	X X X X	1	2	3
31	X X X X X X X	2	4	6
30	X X X X X	3	1	4
29	X X	2	0	2
28		0	0	0
27	X	0	1	1
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	105	212

LIMITS (BTN): PUENTE AVE TO ROWLAND AVE

OBSERVATION POINT: 605 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>45.8</u>	<u>46.0</u>	<u>45.9</u>	M.P.H.
50TH %:	<u>40.2</u>	<u>40.3</u>	<u>40.3</u>	M.P.H.
15TH %:	<u>34.7</u>	<u>34.5</u>	<u>34.6</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>69%</u>	<u>69%</u>	
% OVER PACE:	<u>14%</u>	<u>15%</u>	<u>15%</u>	
% UNDER PACE:	<u>17%</u>	<u>16%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>40.23</u>	<u>40.28</u>	<u>40.25</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.58</u>	<u>30.53</u>	<u>29.40</u>	
STANDARD DEVIATION:	<u>5.35</u>	<u>5.53</u>	<u>5.42</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.27</u>	<u>0.29</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.52</u>	<u>0.54</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 2:31PM TO 3:07PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	0	1	1
49	X X	2	0	2
48	X X X	0	3	3
47	X X	2	0	2
46	X X	1	1	2
45	X X X X	2	2	4
44	X X	1	1	2
43	X X X	2	1	3
42	X X X X X	2	3	5
41	X X X X X X X X X X	6	4	10
40	X X X X X X X X X X X X X X X X	12	5	17
39	X X X X X X X X X X X X X X X X X X X X	15	7	22
38	X X X X X X X X X X X X X X X X X X X X	8	10	18
37	X X X X X X X X X X X X X X X X X X X X	10	12	22
36	X X X X X X X X X X X X X X X X X X X X	10	11	21
35	X X X X X X X X X X X X X X X X X X X X	12	9	21
34	X X X X X X X X X X X X X X X X X X X X	7	10	17
33	X X X X X X X X X X X X	4	8	12
32	X X X X X X X X X X X X X X X X	8	7	15
31	X X X X X X X X X X X X X X X X	5	8	13
30	X X X X X X X	5	2	7
29	X X X X X X	2	4	6
28	X X X X X	3	2	5
27	X X X X	0	4	4
26	X X	1	1	2
25	X X	0	2	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		120	118	238

LIMITS (BTN): ROWLAND AVE TO WORKMAN AVE

OBSERVATION POINT: 357 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.4</u>	<u>40.8</u>	<u>41.1</u>	M.P.H.
50TH %:	<u>36.7</u>	<u>35.7</u>	<u>36.2</u>	M.P.H.
15TH %:	<u>32.0</u>	<u>30.5</u>	<u>31.2</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>74%</u>	<u>75%</u>	
% OVER PACE:	<u>10%</u>	<u>14%</u>	<u>14%</u>	
% UNDER PACE:	<u>13%</u>	<u>13%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>36.72</u>	<u>35.65</u>	<u>36.19</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.44</u>	<u>24.67</u>	<u>22.73</u>	
STANDARD DEVIATION:	<u>4.52</u>	<u>4.97</u>	<u>4.77</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.21</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.46</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD : 3:14PM TO 3:48PM

LOCATION: **LARK ELLEN AVENUE**

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X	0	2	2
49	X X X X X X	0	6	6
48	X X X	1	2	3
47	X X X X X	3	2	5
46	X X X	0	3	3
45	X X X X X X X	1	6	7
44	X X X X X	3	2	5
43	X X X X X X X X X X X	7	4	11
42	X X X X X X X X X X X X X	8	6	14
41	X X X X X X X X X X X X X X X X X X X	9	10	19
40	X X	15	12	27
39	X X X X X X X X X X X X X	8	5	13
38	X X X X X X X X X X X X X X X	6	7	13
37	X X X X X X X X X X X X X X	10	4	14
36	X X X X X X X X	2	5	7
35	X X X X X X X X X	3	5	8
34	X X X X X X X X X X X	5	6	11
33	X X X X X X X X	4	3	7
32	X X X X X X X X X X	7	2	9
31	X X X X X X X X	3	4	7
30	X X X X X	2	2	4
29	X X X X X X X X	4	3	7
28	X X X X X	3	1	4
27	X X X X	2	1	3
26	X X X X X X	2	3	5
25	X X	0	2	2
24		0	0	0
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	109	217

LIMITS (BTN): WORKMAN AVE TO GARVEY AVE SOUTH
OBSERVATION POINT: 219 LARK ELLEN AVE
POSTED SPEED LIMIT: 40 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: PARTLY SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.8</u>	<u>45.1</u>	<u>44.0</u>	<u>M.P.H.</u>
50TH %:	<u>37.4</u>	<u>38.6</u>	<u>38.0</u>	<u>M.P.H.</u>
15TH %:	<u>32.1</u>	<u>32.0</u>	<u>32.0</u>	<u>M.P.H.</u>
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	<u>M.P.H.</u>
% IN PACE:	<u>68%</u>	<u>59%</u>	<u>63%</u>	
% OVER PACE:	<u>7%</u>	<u>21%</u>	<u>14%</u>	
% UNDER PACE:	<u>25%</u>	<u>20%</u>	<u>23%</u>	
ARITHMETIC MEAN:	<u>37.44</u>	<u>38.55</u>	<u>38.00</u>	<u>M.P.H.</u>
SAMPLE VARIANCE:	<u>26.40</u>	<u>40.14</u>	<u>33.45</u>	
STANDARD DEVIATION:	<u>5.14</u>	<u>6.34</u>	<u>5.78</u>	<u>M.P.H.</u>
VARIANCE OF THE MEAN:	<u>0.24</u>	<u>0.37</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.49</u>	<u>0.61</u>	<u>0.39</u>	<u>M.P.H.</u>

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 3:17PM TO 3:36PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X	1	0	1
46		0	0	0
45		0	0	0
44	X X	2	0	2
43	X X X	2	1	3
42	X X X X X	4	1	5
41	X X X X X X X X X X X X X X	5	8	13
40	X X X X X X X X X X X X	5	6	11
39	X X X X X X X X X X X X X X	6	8	14
38	X X X X X X X X X X X X X X X X	8	8	16
37	X X	13	13	26
36	X X	8	14	22
35	X X	9	10	19
34	X X	9	11	20
33	X X	9	11	20
32	X X	6	7	13
31	X X	5	7	12
30	X X X X X X X X X X	5	4	9
29	X X X X X X X X	5	1	6
28	X X X X	2	1	3
27	X X X X	2	1	3
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	112	218

LIMITS (BTN): GARVEY AVE SOUTH TO CAMERON AVE

OBSERVATION POINT: 513 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.9</u>	<u>39.1</u>	<u>39.5</u>	M.P.H.
50TH %:	<u>35.6</u>	<u>35.6</u>	<u>35.6</u>	M.P.H.
15TH %:	<u>31.2</u>	<u>32.1</u>	<u>31.7</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>86%</u>	<u>80%</u>	
% OVER PACE:	<u>8%</u>	<u>2%</u>	<u>5%</u>	
% UNDER PACE:	<u>18%</u>	<u>13%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>35.58</u>	<u>35.59</u>	<u>35.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.50</u>	<u>11.33</u>	<u>14.26</u>	
STANDARD DEVIATION:	<u>4.18</u>	<u>3.37</u>	<u>3.78</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.10</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.32</u>	<u>0.26</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 3:40PM TO 3:59PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X	0	1	1
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48	X	0	1	1
47	X	1	0	1
46	X X X	0	3	3
45	X	1	0	1
44	X X	1	1	2
43	X X X X	3	1	4
42	X X X X X X X	4	3	7
41	X X X X X	1	4	5
40	X X X X X X X X X X	6	5	11
39	X X X X X X X X X X	5	6	11
38	X X X X X X X X X X X X X X	7	8	15
37	X X X X X X X X X X X X X X X X	8	10	18
36	X X X X X X X X X X X X X X X X X	9	10	19
35	X X X X X X X X X X X X X X X X X X X	8	14	22
34	X X X X X X X X X X X X X X X X X	7	10	17
33	X X X X X X X X X X X X X X X X X	7	12	19
32	X X X X X X X X X X X X X X X X X	8	7	15
31	X X X X X X X X X X X X X X X X X	7	8	15
30	X X X X X X X X X	7	2	9
29	X X X X X X X X X	7	2	9
28	X X X X X X X	6	1	7
27	X X X X X X	6	0	6
26	X X	2	0	2
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		112	110	222

LIMITS (BTN): CAMERON AVE TO VINE AVE

OBSERVATION POINT: 831 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.6</u>	<u>40.4</u>	<u>40.1</u>	M.P.H.
50TH %:	<u>34.5</u>	<u>35.9</u>	<u>35.2</u>	M.P.H.
15TH %:	<u>29.3</u>	<u>31.4</u>	<u>30.3</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>67%</u>	<u>82%</u>	<u>73%</u>	
% OVER PACE:	<u>21%</u>	<u>13%</u>	<u>12%</u>	
% UNDER PACE:	<u>13%</u>	<u>5%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>34.47</u>	<u>35.94</u>	<u>35.20</u>	M.P.H.
SAMPLE VARIANCE:	<u>24.63</u>	<u>18.89</u>	<u>22.22</u>	
STANDARD DEVIATION:	<u>4.96</u>	<u>4.35</u>	<u>4.71</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.17</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.41</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-02-17 DAY: THURSDAY TIME PERIOD : 4:03PM TO 4:25PM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	1	0	1
55		0	0	0
54	X	0	1	1
53	X	1	0	1
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47	X X	2	0	2
46	X	1	0	1
45	X X X X X X	4	2	6
44	X X	2	0	2
43	X X X	3	0	3
42	X X X X X X X X	7	1	8
41	X X X X X X X X	3	5	8
40	X X X X X X X X X X	5	6	11
39	X X X X X X X X X X	7	3	10
38	X X X X X X X X X X X X X X X X	10	6	16
37	X X	17	17	34
36	X X	9	15	24
35	X X	13	10	23
34	X X	12	10	22
33	X X	7	9	16
32	X X X X X X X X X X X X	5	6	11
31	X X X X X X X X X X	4	4	8
30	X X X X X	1	4	5
29	X X X	0	3	3
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24	X	0	1	1
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		114	105	219

LIMITS (BTN): VINE AVE TO SOUTH CITY LIMIT

OBSERVATION POINT: 1021 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.1</u>	<u>40.1</u>	<u>41.3</u>	M.P.H.
50TH %:	<u>37.5</u>	<u>35.7</u>	<u>36.7</u>	M.P.H.
15TH %:	<u>32.9</u>	<u>31.3</u>	<u>32.1</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>83%</u>	<u>80%</u>	
% OVER PACE:	<u>12%</u>	<u>5%</u>	<u>12%</u>	
% UNDER PACE:	<u>9%</u>	<u>12%</u>	<u>8%</u>	
ARITHMETIC MEAN:	<u>37.52</u>	<u>35.71</u>	<u>36.65</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.77</u>	<u>18.05</u>	<u>19.68</u>	
STANDARD DEVIATION:	<u>4.45</u>	<u>4.25</u>	<u>4.44</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.17</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.42</u>	<u>0.41</u>	<u>0.30</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD: 11:06AM TO 11:44AM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47	X	1	0	1
46	X X	0	2	2
45	X X	1	1	2
44	X X X	2	1	3
43	X X X X X X X X	5	3	8
42	X X X X X X X X X X	3	6	9
41	X X	3	15	18
40	X X	9	11	20
39	X X X X X X X X X X X X X X	5	7	12
38	X X	6	15	21
37	X X X X X X X X X X	6	2	8
36	X X X X X X X X X X X X X X X X	7	6	13
35	X X	11	3	14
34	X X X X X X X X X X X X	6	3	9
33	X X X X X X X X X X X X X X	5	6	11
32	X X X X X X X X X X X X X X X X	7	5	12
31	X X X X X X X X X X X X X X	3	5	8
30	X X	7	9	16
29	X X X X	1	2	3
28	X X X X X	4	0	4
27	X X X X	2	1	3
26	X X X X X	4	0	4
25	X X	2	0	2
24	X X X X	3	0	3
23	X X X X	3	0	3
22		0	0	0
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	104	211

LIMITS (BTN): MAPLEGROVE ST TO FAIRGROVE AVE

OBSERVATION POINT: 1829 LARK ELLEN AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
* 85TH %:	<u>40.5</u>	<u>42.0</u>	<u>41.4</u>	M.P.H.
* 50TH %:	<u>34.5</u>	<u>37.2</u>	<u>35.9</u>	M.P.H.
* 15TH %:	<u>28.5</u>	<u>32.5</u>	<u>30.3</u>	M.P.H.
* 10 MPH PACE:	<u>32 - 41</u>	<u>33 - 42</u>	<u>32 - 41</u>	M.P.H.
* % IN PACE:	<u>61%</u>	<u>71%</u>	<u>65%</u>	
% OVER PACE:	<u>11%</u>	<u>8%</u>	<u>12%</u>	
% UNDER PACE:	<u>28%</u>	<u>21%</u>	<u>22%</u>	
ARITHMETIC MEAN:	<u>34.51</u>	<u>37.24</u>	<u>35.86</u>	M.P.H.
SAMPLE VARIANCE:	<u>33.33</u>	<u>20.83</u>	<u>28.90</u>	
STANDARD DEVIATION:	<u>5.77</u>	<u>4.56</u>	<u>5.38</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.31</u>	<u>0.20</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.45</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-09-17 DAY: THURSDAY TIME PERIOD : 10:26AM TO 11:02AM

LOCATION: LARK ELLEN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X X	1	3	4
49	X	1	0	1
48	X X X X	4	0	4
47	X X X	1	2	3
46	X X	1	1	2
45	X X X X	0	4	4
44	X X X X X X X X	2	6	8
43	X X X X X X X X X X X X X X	4	9	13
42	X X X X X X X X X X X X X X	7	5	12
41	X X X X X X X X X X X X X X X X X X X X	5	11	16
40	X X	9	11	20
39	X X	8	8	16
38	X X	6	7	13
37	X X	12	4	16
36	X X	6	7	13
35	X X	5	5	10
34	X X X X X X X X	3	4	7
33	X X X X X X X X	4	3	7
32	X X X X X X X X	4	2	6
31	X X X X X X X X	4	3	7
30	X X X X X X	3	2	5
29	X X X X X X X X	4	2	6
28	X X X X X X X X	5	2	7
27	X X X X	1	2	3
26	X X X X X	4	0	4
25	X	0	1	1
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	104	209

LIMITS (BTN): FAIRGROVE AVE TO AMAR RD

OBSERVATION POINT: WINDWOOD APARTMENTS

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.8</u>	<u>44.1</u>	<u>43.5</u>	M.P.H.
50TH %:	<u>36.8</u>	<u>38.7</u>	<u>37.7</u>	M.P.H.
15TH %:	<u>30.8</u>	<u>33.2</u>	<u>31.9</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>35 - 44</u>	<u>35 - 44</u>	M.P.H.
% IN PACE:	<u>62%</u>	<u>70%</u>	<u>66%</u>	
% OVER PACE:	<u>10%</u>	<u>10%</u>	<u>9%</u>	
% UNDER PACE:	<u>29%</u>	<u>20%</u>	<u>26%</u>	
ARITHMETIC MEAN:	<u>36.81</u>	<u>38.65</u>	<u>37.73</u>	M.P.H.
SAMPLE VARIANCE:	<u>33.77</u>	<u>27.35</u>	<u>31.29</u>	
STANDARD DEVIATION:	<u>5.81</u>	<u>5.23</u>	<u>5.59</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.32</u>	<u>0.26</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.57</u>	<u>0.51</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 12:42PM TO 1:09PM

LOCATION: MERCED AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51	X	1	0	1
50		0	0	0
49	X	1	0	1
48	X	1	0	1
47	X X X X X X	3	3	6
46	X X X	1	2	3
45	X X X X X	2	3	5
44	X X X X X X X X X X	3	8	11
43	X X X X X X X X X X X X	8	4	12
42	X X X X X X X X X X X X	6	6	12
41	X X X X X X X X X X X X X X X X	11	6	17
40	X X X X X X X X X X X X X X X	8	7	15
39	X X X X X X X X X X X X X X X	6	9	15
38	X X X X X X X X X X X X X X X X X X	10	9	19
37	X X X X X X X X X X X X X X X X	4	12	16
36	X X X X X X X X X X X X X X X X X	9	8	17
35	X X	11	13	24
34	X X X X X X X X X X X X X X X X X	8	8	16
33	X X X X X X X X X X	4	5	9
32	X X X X X X X X X X	6	2	8
31	X X X X X X	4	1	5
30		0	0	0
29	X	0	1	1
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	107	214

LIMITS (BTN): WEST CITY LIMITS TO ORANGE AVE

OBSERVATION POINT: 2004 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>43.1</u>	<u>42.6</u>	<u>42.8</u>	M.P.H.
50TH %:	<u>38.5</u>	<u>38.4</u>	<u>38.4</u>	M.P.H.
15TH %:	<u>33.9</u>	<u>34.3</u>	<u>34.1</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>33 - 42</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>78%</u>	<u>76%</u>	
% OVER PACE:	<u>11%</u>	<u>19%</u>	<u>13%</u>	
% UNDER PACE:	<u>13%</u>	<u>4%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>38.46</u>	<u>38.42</u>	<u>38.44</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.74</u>	<u>15.94</u>	<u>17.76</u>	
STANDARD DEVIATION:	<u>4.44</u>	<u>3.99</u>	<u>4.21</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.18</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.39</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 1:15PM TO 1:44PM

LOCATION: MERCED AVE

SPEED (MPH)	TOTAL VEHICLES SURVEYED		TOTAL
	EB	WB	VEHICLES
65			0
64			0
63			0
62			0
61			0
60			0
59			0
58			0
57			0
56			0
55			0
54			0
53			0
52			0
51			0
50			0
49			0
48	X X		2
47	X X		2
46	X X		2
45	X X X X X X		6
44	X X X		3
43	X X X X X X X X		9
42	X X X X X X X X		8
41	X X X X X X X X X X		12
40	X X		23
39	X X X X X X X X X X X X X X X X		15
38	X X X X X X X X X X X X X X X X		14
37	X X X X X X X X X X X X X X X X		15
36	X X		21
35	X X		21
34	X X		22
33	X X X X X X X X X X X X X X X X		14
32	X X X X X X X X		7
31	X X X		3
30	X X X X X		5
29	X X		2
28			0
27	X		1
26			0
25			0
24			0
23			0
22			0
21			0
20			0
19			0
18			0
17			0
16			0
15			0
	102	105	207

LIMITS (BTN): ORANGE AVE TO SUNSET AVE

OBSERVATION POINT: 1535 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>41.0</u>	<u>42.2</u>	<u>41.6</u>	M.P.H.
50TH %:	<u>37.1</u>	<u>37.7</u>	<u>37.4</u>	M.P.H.
15TH %:	<u>33.1</u>	<u>33.3</u>	<u>33.2</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>77%</u>	<u>80%</u>	
% OVER PACE:	<u>9%</u>	<u>14%</u>	<u>12%</u>	
% UNDER PACE:	<u>9%</u>	<u>9%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>37.07</u>	<u>37.74</u>	<u>37.41</u>	M.P.H.
SAMPLE VARIANCE:	<u>14.56</u>	<u>18.14</u>	<u>16.41</u>	
STANDARD DEVIATION:	<u>3.82</u>	<u>4.26</u>	<u>4.05</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.17</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.38</u>	<u>0.42</u>	<u>0.28</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 2:52PM TO 3:23PM

LOCATION: MERCED AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X X	2	0	2
48	X	1	0	1
47	X X	2	0	2
46	X	0	1	1
45	X X X X	1	3	4
44	X X X X X X	4	2	6
43	X X X X X X X X X X	6	5	11
42	X X X X X X X X X X X X X X X X	10	9	19
41	X X X X X X X X X X X X X X X X	13	4	17
40	X X X X X X X X X X X X X X X X	5	12	17
39	X X X X X X X X X X X X	3	9	12
38	X X X X X X X X X X	6	4	10
37	X X X X X X X X X X X X X X X X X X	8	13	21
36	X X X X X X X X X X X X X X X X	11	5	16
35	X X X X X X X X X X X X X X X X	9	8	17
34	X X X X X X X X X X X X	6	7	13
33	X X X X X X X X X X X X	6	6	12
32	X X X X X X	1	4	5
31	X X X X X X X X X X X X X X	4	9	13
30	X X X X X X	3	3	6
29	X X X X	2	1	3
28		0	0	0
27		0	0	0
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	105	209

LIMITS (BTN): SUNSET AVE TO CALIFORNIA AVE

OBSERVATION POINT: 1201 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.9</u>	<u>41.6</u>	<u>42.2</u>	M.P.H.
50TH %:	<u>38.0</u>	<u>37.3</u>	<u>37.6</u>	M.P.H.
15TH %:	<u>33.2</u>	<u>32.9</u>	<u>33.0</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>73%</u>	<u>74%</u>	
% OVER PACE:	<u>10%</u>	<u>10%</u>	<u>13%</u>	
% UNDER PACE:	<u>16%</u>	<u>16%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>38.04</u>	<u>37.26</u>	<u>37.65</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.90</u>	<u>17.42</u>	<u>19.71</u>	
STANDARD DEVIATION:	<u>4.68</u>	<u>4.17</u>	<u>4.44</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.17</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.41</u>	<u>0.31</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 3:30PM TO 4:00PM

LOCATION: MERCED AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	0	1	1
48	X	0	1	1
47	X X	1	1	2
46	X X X X	1	3	4
45	X X X X X	0	5	5
44	X X X X X X X X	5	3	8
43	X X X X X X X X X X X X X X X X	6	9	15
42	X X X X X X X X X X X X X X X X	7	6	13
41	X X X X X X X X X X X X X X X X X X	10	7	17
40	X X X X X X X X X X X X X X X X X X	5	11	16
39	X X	9	14	23
38	X X	11	6	17
37	X X	4	10	14
36	X X	10	5	15
35	X X	5	7	12
34	X X	8	7	15
33	X X X X X X X X X X	4	4	8
32	X X	7	4	11
31	X X	6	3	9
30	X X	2	3	5
29	X X	3	3	6
28	X X	2	0	2
27	X X	1	0	1
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	113	220

LIMITS (BTN): CALIFORNIA AVE TO GLENDORA AVE

OBSERVATION POINT: 922 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>41.8</u>	<u>43.1</u>	<u>42.5</u>	M.P.H.
50TH %:	<u>37.1</u>	<u>38.4</u>	<u>37.8</u>	M.P.H.
15TH %:	<u>32.4</u>	<u>33.7</u>	<u>33.1</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>73%</u>	<u>71%</u>	
% OVER PACE:	<u>7%</u>	<u>12%</u>	<u>10%</u>	
% UNDER PACE:	<u>23%</u>	<u>15%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>37.11</u>	<u>38.42</u>	<u>37.79</u>	M.P.H.
SAMPLE VARIANCE:	<u>20.53</u>	<u>20.53</u>	<u>20.87</u>	
STANDARD DEVIATION:	<u>4.53</u>	<u>4.53</u>	<u>4.57</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.18</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.43</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 10:40AM TO 11:04AM

LOCATION: MERCED AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X X X X	1	3	4
48	X	0	1	1
47	X X	2	0	2
46	X X X X X X	1	5	6
45	X	0	1	1
44	X X X	2	1	3
43	X X X X X X	1	5	6
42	X X X X	3	1	4
41	X	0	1	1
40	X X X X X X X X X X	5	5	10
39	X X X X X X X X X X X X	7	5	12
38	X X X X X X X X X X X X	6	5	11
37	X X X X X X X X X X X X X X X X X X	6	12	18
36	X X X X X X X X X X X X X X X X X X	13	5	18
35	X X	11	10	21
34	X X	11	10	21
33	X X	11	10	21
32	X X	12	6	18
31	X X	11	6	17
30	X X X X X X X X X X X X	5	6	11
29	X X X X X X X X	2	5	7
28	X X X X X X X	1	5	6
27	X X X X X X	0	5	5
26	X X X	1	2	3
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		113	115	228

LIMITS (BTN): GLENDORA AVE TO WALNUT AVE

OBSERVATION POINT: 504 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.7</u>	<u>41.1</u>	<u>40.4</u>	M.P.H.
50TH %:	<u>35.1</u>	<u>35.4</u>	<u>35.3</u>	M.P.H.
15TH %:	<u>30.5</u>	<u>29.7</u>	<u>30.1</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>65%</u>	<u>74%</u>	
% OVER PACE:	<u>9%</u>	<u>20%</u>	<u>17%</u>	
% UNDER PACE:	<u>9%</u>	<u>15%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>35.11</u>	<u>35.40</u>	<u>35.25</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.35</u>	<u>30.61</u>	<u>24.94</u>	
STANDARD DEVIATION:	<u>4.40</u>	<u>5.53</u>	<u>4.99</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.27</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.52</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 10:10AM TO 10:35AM

LOCATION: MERCED AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	0	1	1
56		0	0	0
55		0	0	0
54		0	0	0
53	X	1	0	1
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48		0	0	0
47		0	0	0
46	X X X	1	2	3
45	X X X X X X X X	3	5	8
44	X X X X X X X X	3	5	8
43	X X X X X X X X	3	6	9
42	X X X X X X X X X X	6	6	12
41	X X X X X X X X X X	6	6	12
40	X X X X X X X X X X X X	10	6	16
39	X X X X X X X X X X X X X X X X	10	12	22
38	X X X X X X X X X X X X X X X X	10	10	20
37	X X X X X X X X X X X X X X X X	10	10	20
36	X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X	5	6	11
34	X X X X X X X X X X	5	5	10
33	X X X X X X X X X X	5	5	10
32	X X X X X X X X X X	5	5	10
31	X X X X X X X X X X	5	5	10
30	X X X X X X X	5	2	7
29	X X X	2	1	3
28	X X	2	0	2
27	X	0	1	1
26	X	0	1	1
25		0	0	0
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	110	219

LIMITS (BTN): WALNUT AVE TO VALINDA AVE

OBSERVATION POINT: 908 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.2</u>	<u>42.8</u>	<u>42.5</u>	M.P.H.
50TH %:	<u>37.2</u>	<u>37.9</u>	<u>37.6</u>	M.P.H.
15TH %:	<u>32.2</u>	<u>33.0</u>	<u>32.6</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>35 - 44</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>70%</u>	<u>70%</u>	
% OVER PACE:	<u>11%</u>	<u>7%</u>	<u>14%</u>	
% UNDER PACE:	<u>18%</u>	<u>23%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>37.20</u>	<u>37.91</u>	<u>37.56</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.90</u>	<u>22.54</u>	<u>22.74</u>	
STANDARD DEVIATION:	<u>4.79</u>	<u>4.75</u>	<u>4.77</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.20</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.45</u>	<u>0.32</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 9:35AM TO 10:04AM

LOCATION: MERCED AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	0	1	1
56		0	0	0
55	X X	1	1	2
54		0	0	0
53		0	0	0
52	X	0	1	1
51	X X	1	1	2
50	X X X X	0	4	4
49	X X X X X X X X X	5	4	9
48	X X X X X X	2	4	6
47	X X X X X X X	2	5	7
46	X X X X X X X	2	5	7
45	X X X X X X X X X X X X	5	7	12
44	X X X X X X X X X X X X X X X X X X	10	7	17
43	X X X X X X X X X X X X X	5	7	12
42	X X X X X X X X X X X X X X X X X X	11	7	18
41	X X X X X X X X X X X X X X X X X X	10	7	17
40	X X X X X X X X X X X X X X X	7	7	14
39	X X X X X X X X X X X X X X X	7	7	14
38	X X X X X X X X X X X X X X X	7	7	14
37	X X X X X X X X X X X X X	5	7	12
36	X X X X X X X X X X X X	5	7	12
35	X X X X X X X X	5	3	8
34	X X X X X X X X	5	2	7
33	X X X	2	1	3
32	X X X	2	1	3
31	X X X	2	1	3
30	X X	1	1	2
29		0	0	0
28		0	0	0
27	X X	1	1	2
26		0	0	0
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16	X	0	1	1
15		0	0	0
		105	107	212

LIMITS (BTN): VALINDA AVE TO LARK ELLEN AVE

OBSERVATION POINT: 1247 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>45.8</u>	<u>47.7</u>	<u>46.8</u>	M.P.H.
50TH %:	<u>40.1</u>	<u>41.5</u>	<u>40.8</u>	M.P.H.
15TH %:	<u>34.4</u>	<u>35.4</u>	<u>34.9</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>65%</u>	<u>67%</u>	
% OVER PACE:	<u>12%</u>	<u>24%</u>	<u>18%</u>	
% UNDER PACE:	<u>19%</u>	<u>10%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>40.09</u>	<u>41.54</u>	<u>40.82</u>	M.P.H.
SAMPLE VARIANCE:	<u>30.19</u>	<u>35.01</u>	<u>33.00</u>	
STANDARD DEVIATION:	<u>5.49</u>	<u>5.92</u>	<u>5.74</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.29</u>	<u>0.33</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.54</u>	<u>0.57</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 9:30AM

LOCATION: MERCED AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL		
											EB	WB	VEHICLES
65											0	0	0
64	X										0	1	1
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57											0	0	0
56											0	0	0
55											0	0	0
54	X										1	0	1
53											0	0	0
52	X										1	0	1
51											0	0	0
50	X	X									1	1	2
49	X										0	1	1
48	X	X									2	0	2
47	X	X									2	0	2
46	X	X	X	X	X						4	2	6
45	X	X	X	X	X	X	X	X	X	X	7	6	13
44	X	X	X	X	X	X	X	X	X	X	7	10	17
43	X	X	X	X	X	X	X	X	X	X	7	6	13
42	X	X	X	X	X	X	X	X	X	X	7	5	12
41	X	X	X	X	X	X	X	X	X	X	7	6	13
40	X	X	X	X	X	X	X	X	X	X	7	5	12
39	X	X	X	X	X	X	X	X	X	X	10	5	15
38	X	X	X	X	X	X	X	X	X	X	11	5	16
37	X	X	X	X	X	X	X	X	X	X	10	11	21
36	X	X	X	X	X	X	X	X	X	X	10	10	20
35	X	X	X	X	X	X	X	X	X	X	6	10	16
34	X	X	X	X	X	X	X	X	X	X	6	6	12
33	X	X	X	X	X	X	X	X	X	X	3	6	9
32	X	X	X	X	X	X	X	X	X	X	3	6	9
31	X	X	X	X							3	1	4
30	X										1	0	1
29	X										1	0	1
28											0	0	0
27											0	0	0
26	X										0	1	1
25											0	0	0
24											0	0	0
23											0	0	0
22											0	0	0
21											0	0	0
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											117	104	221

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE

OBSERVATION POINT: 1637 MERCED AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>44.4</u>	<u>44.1</u>	<u>44.3</u>	M.P.H.
50TH %:	<u>39.4</u>	<u>38.8</u>	<u>39.1</u>	M.P.H.
15TH %:	<u>34.5</u>	<u>33.4</u>	<u>34.0</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>35 - 44</u>	<u>35 - 44</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>70%</u>	<u>70%</u>	
% OVER PACE:	<u>9%</u>	<u>11%</u>	<u>13%</u>	
% UNDER PACE:	<u>20%</u>	<u>19%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>39.44</u>	<u>38.77</u>	<u>39.12</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.68</u>	<u>26.86</u>	<u>24.64</u>	
STANDARD DEVIATION:	<u>4.76</u>	<u>5.18</u>	<u>4.96</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.26</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.51</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 11:00AM

LOCATION: MORGAN FIELD AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44	X	0	1	1
43		0	0	0
42		0	0	0
41		0	0	0
40	X X X	0	3	3
39	X X X X X X	0	6	6
38	X X X X X X	0	6	6
37	X X X X X X X	1	6	7
36	X X X X X X X	0	7	7
35	X X X X X X X X X X	4	7	11
34	X X X X X X X X X X	4	7	11
33	X X X X X X X X X X X X X X X X X X	10	8	18
32	X X X X X X X X X X X X X X X X X X	10	8	18
31	X X X X X X X X X X X X X X	4	9	13
30	X X X X X X X X X X X X X X X X X X	4	15	19
29	X X	10	15	25
28	X X X X X X X X	3	5	8
27	X X X X X X X X	3	5	8
26	X X X X X X	1	5	6
25	X X X X X	0	5	5
24	X X X X	0	4	4
23	X X X X	0	4	4
22		0	0	0
21		0	0	0
20	X X	1	1	2
19		0	0	0
18		0	0	0
17	X	0	1	1
16		0	0	0
15		0	0	0
		55	128	183

LIMITS (BTN): HOLLINGSWORTH ST TO VALLEY BLVD

OBSERVATION POINT: 4132 MORGAN FIELD AVE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>34.0</u>	<u>36.4</u>	<u>35.8</u>	M.P.H.
50TH %:	<u>31.1</u>	<u>31.4</u>	<u>31.3</u>	M.P.H.
15TH %:	<u>28.1</u>	<u>26.4</u>	<u>26.8</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>29 - 38</u>	<u>27 - 36</u>	M.P.H.
% IN PACE:	<u>96%</u>	<u>69%</u>	<u>75%</u>	
% OVER PACE:	<u>2%</u>	<u>8%</u>	<u>13%</u>	
% UNDER PACE:	<u>2%</u>	<u>23%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>31.05</u>	<u>31.42</u>	<u>31.31</u>	M.P.H.
SAMPLE VARIANCE:	<u>8.35</u>	<u>23.21</u>	<u>18.70</u>	
STANDARD DEVIATION:	<u>2.89</u>	<u>4.82</u>	<u>4.32</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.15</u>	<u>0.18</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.43</u>	<u>0.32</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 11:50AM TO 12:07PM

LOCATION: NOGALES STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	0	1	1
56		0	0	0
55		0	0	0
54		0	0	0
53	X	0	1	1
52		0	0	0
51		0	0	0
50	X	1	0	1
49	X X X X	2	2	4
48	X X X X X X	3	3	6
47	X X X X X X X	3	4	7
46	X X X X X X X X	7	2	9
45	X X X X X X X X X	5	4	9
44	X X X X X X	3	3	6
43	X X X X X	3	2	5
42	X X X X X X X X X	4	5	9
41	X X X X X X X X X	6	2	8
40	X X X X X X X X X	3	6	9
39	X X X X X X X X X X	4	6	10
38	X X X X X X X X X X X X X X X X	7	9	16
37	X X X X X X X X X X X X X X	4	9	13
36	X X X X X X X X X X X X	6	6	12
35	X X X X X X X X	5	2	7
34	X X X X X X X X X X X X X X X X X X	7	10	17
33	X X X X X X X X X X X X X X	7	6	13
32	X X X X X X X X X X X X	4	7	11
31	X X X X X X X X X X	5	4	9
30	X X X X X X X X X X	5	4	9
29	X X X X X X	3	2	5
28	X X X	2	1	3
27	X X X X	3	1	4
26	X X X	2	1	3
25	X X X	2	1	3
24		0	0	0
23	X	1	0	1
22		0	0	0
21		0	0	0
20	X	1	0	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	104	212

LIMITS (BTN): AMAR RD TO SHADOW OAK DR

OBSERVATION POINT: WALNUT PLAZA

POSTED SPEED LIMIT: 50 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.1</u>	<u>44.1</u>	<u>44.1</u>	M.P.H.
50TH %:	<u>37.1</u>	<u>37.8</u>	<u>37.4</u>	M.P.H.
15TH %:	<u>30.1</u>	<u>31.4</u>	<u>30.8</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>50%</u>	<u>63%</u>	<u>55%</u>	
% OVER PACE:	<u>37%</u>	<u>28%</u>	<u>31%</u>	
% UNDER PACE:	<u>13%</u>	<u>10%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>37.10</u>	<u>37.76</u>	<u>37.42</u>	M.P.H.
SAMPLE VARIANCE:	<u>45.81</u>	<u>37.06</u>	<u>41.43</u>	
STANDARD DEVIATION:	<u>6.77</u>	<u>6.09</u>	<u>6.44</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.42</u>	<u>0.36</u>	<u>0.20</u>	
STD. ERROR OF THE MEAN:	<u>0.65</u>	<u>0.60</u>	<u>0.44</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 11:30AM TO 11:46AM

LOCATION: NOGALES STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X X	1	1	2
58		0	0	0
57	X	1	0	1
56	X	0	1	1
55	X X	0	2	2
54	X X X	1	2	3
53	X X	1	1	2
52	X X	1	1	2
51	X	0	1	1
50	X X X X X X	3	3	6
49	X X X X X	4	1	5
48	X X X X X X X X	2	6	8
47	X X X X X X	3	3	6
46	X X X X	4	0	4
45	X X X X X X X X X X X X X X	10	4	14
44	X X X X X X X X X X X X X X	6	7	13
43	X X X X X X X X X X X X X X	6	7	13
42	X X X X X X X X X X X X X X	7	7	14
41	X X X X X X X X X X X X X X X X	7	8	15
40	X X X X X X X X X X X X X X	6	7	13
39	X X X X X X X X X X X X X X X X	8	7	15
38	X X X X X X X X X X X X X X X X	10	5	15
37	X X X X X X X X X	5	4	9
36	X X X X X X X X X X X X X X X X	4	12	16
35	X X X X X X X	3	3	6
34	X X	0	2	2
33	X X X X X X X X X X X	6	4	10
32	X X X X X X X X X X X X X X	6	6	12
31	X X X X X X X X X X	6	3	9
30	X X X X X X	2	3	5
29	X X	1	1	2
28		0	0	0
27		0	0	0
26		0	0	0
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		114	113	227

LIMITS (BTN): SHADOW OAK DR TO LA PUENTE RD

OBSERVATION POINT: NOGALES/BEL AIR

POSTED SPEED LIMIT: 50 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>47.0</u>	<u>47.5</u>	<u>47.2</u>	M.P.H.
50TH %:	<u>40.6</u>	<u>40.6</u>	<u>40.6</u>	M.P.H.
15TH %:	<u>34.2</u>	<u>33.7</u>	<u>33.9</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>60%</u>	<u>60%</u>	
% OVER PACE:	<u>15%</u>	<u>19%</u>	<u>19%</u>	
% UNDER PACE:	<u>25%</u>	<u>20%</u>	<u>21%</u>	
ARITHMETIC MEAN:	<u>40.58</u>	<u>40.58</u>	<u>40.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>38.19</u>	<u>44.19</u>	<u>41.00</u>	
STANDARD DEVIATION:	<u>6.18</u>	<u>6.65</u>	<u>6.40</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.39</u>	<u>0.18</u>	
STD. ERROR OF THE MEAN:	<u>0.58</u>	<u>0.63</u>	<u>0.42</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 11:07AM TO 11:26AM

LOCATION: NOGALES STREET

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62	X	0	1	1
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	1	0	1
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49		0	0	0
48	X	0	1	1
47	X X X X	0	4	4
46	X X X	2	1	3
45	X X X X	2	2	4
44	X X X X X	3	2	5
43	X X X X X X X	3	4	7
42	X X X X X X X X	5	3	8
41	X X X X X X X X X	4	5	9
40	X X X X X X X X X X X X X	5	8	13
39	X X X X X X X X X X X X X X X X X X	5	13	18
38	X X X X X X X X X X X X X X X X X X	9	6	15
37	X X X X X X X X X X X X X X X X X X	9	10	19
36	X X X X X X X X X X X X X X X X X X	9	8	17
35	X X X X X X X X X X X X X X X X X X	6	8	14
34	X X X X X X X X X X X X X X X X X X	6	9	15
33	X X X X X X X X X X X X X X X X X X	6	7	13
32	X X X X X X X X X X X X X X X X X X	6	8	14
31	X X X X X X X X X X X X X X X X X X	6	6	12
30	X X X X X X X X X	4	4	8
29	X X X X X X X X X	4	4	8
28	X X X X X	4	1	5
27	X X X X	3	1	4
26	X X X X X	3	2	5
25		0	0	0
24		0	0	0
23	X X	1	1	2
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	119	226

LIMITS (BTN): LA PUENTE RD TO VALLEY BLVD

OBSERVATION POINT: 4100 NOGALES ST

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.8</u>	<u>42.4</u>	<u>42.1</u>	M.P.H.
50TH %:	<u>35.9</u>	<u>36.7</u>	<u>36.3</u>	M.P.H.
15TH %:	<u>30.0</u>	<u>30.9</u>	<u>30.5</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>63%</u>	<u>70%</u>	<u>66%</u>	
% OVER PACE:	<u>20%</u>	<u>19%</u>	<u>19%</u>	
% UNDER PACE:	<u>18%</u>	<u>11%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>35.87</u>	<u>36.66</u>	<u>36.29</u>	M.P.H.
SAMPLE VARIANCE:	<u>32.30</u>	<u>30.41</u>	<u>31.33</u>	
STANDARD DEVIATION:	<u>5.68</u>	<u>5.51</u>	<u>5.60</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.30</u>	<u>0.26</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.55</u>	<u>0.51</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-27-17 DAY: MONDAY TIME PERIOD : 12:28PM TO 2:15PM

LOCATION: NORMA AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED										TOTAL			
											EB	WB	VEHICLES	
65	X											0	1	1
64												0	0	0
63												0	0	0
62												0	0	0
61												0	0	0
60												0	0	0
59												0	0	0
58												0	0	0
57												0	0	0
56												0	0	0
55												0	0	0
54												0	0	0
53												0	0	0
52												0	0	0
51												0	0	0
50												0	0	0
49												0	0	0
48												0	0	0
47												0	0	0
46												0	0	0
45	X											0	1	1
44												0	0	0
43	X	X										1	1	2
42												0	0	0
41	X											0	1	1
40												0	0	0
39	X	X	X									3	0	3
38	X	X	X	X	X	X	X	X	X	X		7	5	12
37	X	X	X	X								1	4	5
36	X	X	X	X	X							3	3	6
35	X	X	X	X	X	X						7	1	8
34	X	X	X	X	X	X	X	X	X	X		3	10	13
33	X	X	X	X	X	X	X	X	X	X	X	13	7	20
32	X	X	X	X	X	X	X	X	X	X	X	18	12	30
31	X	X	X	X	X	X	X	X	X	X	X	12	9	21
30	X	X	X	X	X	X	X	X	X	X	X	22	15	37
29	X	X	X	X	X	X	X	X	X	X	X	12	15	27
28	X	X	X	X	X	X	X	X	X	X	X	15	7	22
27	X	X	X	X	X	X	X					10	1	11
26	X	X	X									3	0	3
25	X	X	X	X	X	X						6	2	8
24	X	X	X	X	X							4	3	7
23	X	X	X	X								3	2	5
22	X	X	X	X								3	2	5
21	X	X										1	1	2
20	X											1	0	1
19	X	X										0	2	2
18												0	0	0
17												0	0	0
16												0	0	0
15												0	0	0
												148	105	253

LIMITS (BTN): CALVADO AVE TO CITRUS ST

OBSERVATION POINT: 2533 NORMA AVE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>34.6</u>	<u>37.1</u>	<u>35.7</u>	M.P.H.
50TH %:	<u>30.4</u>	<u>31.3</u>	<u>30.8</u>	M.P.H.
15TH %:	<u>26.1</u>	<u>25.5</u>	<u>25.8</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>28 - 37</u>	<u>27 - 36</u>	M.P.H.
% IN PACE:	<u>78%</u>	<u>79%</u>	<u>77%</u>	
% OVER PACE:	<u>8%</u>	<u>9%</u>	<u>10%</u>	
% UNDER PACE:	<u>14%</u>	<u>12%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>30.36</u>	<u>31.31</u>	<u>30.75</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.64</u>	<u>31.22</u>	<u>22.81</u>	
STANDARD DEVIATION:	<u>4.08</u>	<u>5.59</u>	<u>4.78</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.11</u>	<u>0.30</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.34</u>	<u>0.55</u>	<u>0.30</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-18-17 DAY: WEDNESDAY TIME PERIOD: 9:51AM TO 10:33AM

LOCATION: ORANGE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	0	1	1
48	X	0	1	1
47	X	0	1	1
46		0	0	0
45	X X	1	1	2
44	X	1	0	1
43	X X	0	2	2
42	X X	1	1	2
41	X X X X X	3	2	5
40	X X X X X X X X	3	5	8
39	X X X X X X X X X X X X X X	6	9	15
38	X X X X X X X X X X	3	7	10
37	X X X X X X X X X X X X X X	7	8	15
36	X X X X X X X X X X X X X X X X X X	9	10	19
35	X X X X X X X X X X X X X X X X X X	3	16	19
34	X X X X X X X X X X X X X X X X X X X X	15	8	23
33	X X X X X X X X X X X X X X X X X X	8	7	15
32	X X X X X X X X X X X X X X X X X X X X	12	9	21
31	X X X X X X X X X X X X X X X X X X X X	9	10	19
30	X X X X X X X X X X X X	7	4	11
29	X X X X X X X X X	4	4	8
28	X X X X X X X X	2	5	7
27	X X X X X X X	2	4	6
26	X X X	3	0	3
25	X X	1	1	2
24	X X X X	2	2	4
23	X X	0	2	2
22	X X	0	2	2
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	122	225

LIMITS (BTN): SAN BERNARDINO RD TO PUENTE AVE

OBSERVATION POINT: 755 ORANGE AVE

POSTED SPEED LIMIT: 35/40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>38.1</u>	<u>39.6</u>	<u>38.9</u>	M.P.H.
50TH %:	<u>33.5</u>	<u>34.3</u>	<u>33.9</u>	M.P.H.
15TH %:	<u>29.0</u>	<u>29.0</u>	<u>29.0</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>73%</u>	<u>74%</u>	
% OVER PACE:	<u>9%</u>	<u>7%</u>	<u>10%</u>	
% UNDER PACE:	<u>15%</u>	<u>20%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>33.54</u>	<u>34.26</u>	<u>33.93</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.41</u>	<u>26.08</u>	<u>23.05</u>	
STANDARD DEVIATION:	<u>4.41</u>	<u>5.11</u>	<u>4.80</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.21</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.43</u>	<u>0.46</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-25-17 DAY: WEDNESDAY TIME PERIOD : 9:30AM TO 10:09AM

LOCATION: ORANGE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X X	0	2	2
45	X X X X	0	4	4
44	X	0	1	1
43	X X	1	1	2
42	X X X	1	2	3
41	X X X X	1	3	4
40	X X X X X X X X X X X X X X	5	8	13
39	X X X X X X X X	3	5	8
38	X X X X X X X X X X	2	8	10
37	X X X X X X X X X X X X X X X X	5	11	16
36	X X X X X X X X X X X X X X X X X X	8	10	18
35	X X X X X X X X X X X X X X X X X X X X	6	15	21
34	X X X X X X X X X X X	7	4	11
33	X X X X X X X X X X X X X X X X X X	9	10	19
32	X X X X X X X X X X X X X X X X X X X X	10	10	20
31	X X X X X X X X X X X X X X X X	10	4	14
30	X X X X X X X X X X X X X X X X X X X X	14	5	19
29	X X X X X X X X X X X	8	3	11
28	X X X X X X X X X X	4	5	9
27	X X X X X X X X	4	3	7
26	X X X	2	1	3
25	X X X	2	1	3
24	X X X X X X	5	1	6
23	X	1	0	1
22	X X	2	0	2
21	X	1	0	1
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		111	117	228

LIMITS (BTN): PUENTE AVE AND GARVEY AVE NORTH

OBSERVATION POINT: 233 ORANGE AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>36.8</u>	<u>40.1</u>	<u>38.8</u>	M.P.H.
50TH %:	<u>32.0</u>	<u>35.2</u>	<u>33.6</u>	M.P.H.
15TH %:	<u>27.2</u>	<u>30.3</u>	<u>28.5</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>31 - 40</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>73%</u>	<u>73%</u>	<u>70%</u>	
% OVER PACE:	<u>12%</u>	<u>11%</u>	<u>16%</u>	
% UNDER PACE:	<u>15%</u>	<u>16%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>31.97</u>	<u>35.21</u>	<u>33.64</u>	M.P.H.
SAMPLE VARIANCE:	<u>21.63</u>	<u>22.10</u>	<u>24.41</u>	
STANDARD DEVIATION:	<u>4.65</u>	<u>4.70</u>	<u>4.94</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.19</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.43</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD: 2:20PM TO 2:46PM

LOCATION: ORANGE AVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	1	0	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47	X X X X	4	0	4
46		0	0	0
45	X X X X	3	1	4
44	X X X	3	0	3
43	X X	1	1	2
42	X X	0	2	2
41	X X X X X	4	1	5
40	X X X X X X X X X X	7	3	10
39	X X X X X X X X X X	4	6	10
38	X X X X X X X X	4	4	8
37	X X X X X X X X X X	8	3	11
36	X X X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X X X X X X X X X	6	11	17
34	X X	11	12	23
33	X X	13	12	25
32	X X X X X X X X X X X X X X X X X X	8	10	18
31	X X X X X X X X X X X X	4	8	12
30	X X X X X X X X X X X X X X X X X X	10	9	19
29	X X X X X X X X X X	4	5	9
28	X X X X X X	3	3	6
27	X X X X X X	1	5	6
26	X	0	1	1
25	X X	0	2	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	110	219

LIMITS (BTN): FRANCISQUITO AVE TO FAIRGROVE AVE

OBSERVATION POINT: 1810 ORANGE AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.1</u>	<u>38.0</u>	<u>39.7</u>	M.P.H.
50TH %:	<u>35.6</u>	<u>33.7</u>	<u>34.7</u>	M.P.H.
15TH %:	<u>30.2</u>	<u>29.3</u>	<u>29.6</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>77%</u>	<u>74%</u>	
% OVER PACE:	<u>21%</u>	<u>8%</u>	<u>15%</u>	
% UNDER PACE:	<u>7%</u>	<u>15%</u>	<u>11%</u>	
ARITHMETIC MEAN:	<u>35.64</u>	<u>33.68</u>	<u>34.66</u>	M.P.H.
SAMPLE VARIANCE:	<u>27.58</u>	<u>17.76</u>	<u>23.51</u>	
STANDARD DEVIATION:	<u>5.25</u>	<u>4.21</u>	<u>4.85</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.25</u>	<u>0.16</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.50</u>	<u>0.40</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-25-17 DAY: WEDNESDAY TIME PERIOD : 9:00AM TO 9:23AM

LOCATION: PACIFIC AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61	X	0	1	1
60		0	0	0
59	X	0	1	1
58	X	1	0	1
57		0	0	0
56		0	0	0
55	X X	2	0	2
54		0	0	0
53	X X	2	0	2
52	X	0	1	1
51	X X	2	0	2
50	X X X X	1	3	4
49	X X	1	1	2
48	X X X X	3	1	4
47	X X X X X	3	2	5
46	X X X X X X X X	6	3	9
45	X X X X X X X X X X	6	5	11
44	X X	17	6	23
43	X X X X X X X X X X X X X X X X X X	8	10	18
42	X X X X X X X X X X X X X X X X X X	8	8	16
41	X X X X X X X X X X X X X X X X X X	6	11	17
40	X X	9	16	25
39	X X	14	15	29
38	X X	14	9	23
37	X X X X X X X X X X X X X X X X X X	5	10	15
36	X X X X X X X X X X X X X X X X X X	8	7	15
35	X X X X X X X X	4	3	7
34	X X X X X X X X X X	3	7	10
33	X X X X X X X X X X	6	3	9
32	X X X X X X X X	4	3	7
31	X	0	1	1
30	X	1	0	1
29	X	1	0	1
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		135	127	262

LIMITS (BTN): ARDILLA AVE TO CAMERON AVE

OBSERVATION POINT: 2324 PACIFIC AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.4</u>	<u>45.3</u>	<u>45.8</u>	M.P.H.
50TH %:	<u>40.9</u>	<u>40.3</u>	<u>40.6</u>	M.P.H.
15TH %:	<u>35.4</u>	<u>35.3</u>	<u>35.3</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>76%</u>	<u>73%</u>	
% OVER PACE:	<u>16%</u>	<u>10%</u>	<u>13%</u>	
% UNDER PACE:	<u>14%</u>	<u>13%</u>	<u>14%</u>	
ARITHMETIC MEAN:	<u>40.87</u>	<u>40.28</u>	<u>40.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>27.92</u>	<u>23.34</u>	<u>25.69</u>	
STANDARD DEVIATION:	<u>5.28</u>	<u>4.83</u>	<u>5.07</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.18</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.45</u>	<u>0.43</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD : 10:00AM TO 10:43AM

LOCATION: PACIFIC AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52	X	1	0	1
51		0	0	0
50		0	0	0
49		0	0	0
48	X X	2	0	2
47		0	0	0
46	X X	0	2	2
45	X X X X X	4	1	5
44		0	0	0
43	X	0	1	1
42	X X X X X X X	5	2	7
41	X X X X X X X X	6	2	8
40	X X X X	3	1	4
39	X X X	1	2	3
38	X X X X X X X X	1	7	8
37	X X X X X X	4	2	6
36	X X X X X X X X X	4	5	9
35	X X X X X X X	3	4	7
34	X X X X X X X X X X X X X X	12	2	14
33	X X X X X X X X X X X X	5	7	12
32	X X X X X X X X X X X X X X X	3	12	15
31	X X X X X X X X X X X X X X	6	7	13
30	X X X X X X X	3	4	7
29	X X X X X X X X X X X X X X X	3	12	15
28	X X X X X X X X X X X X X X X X	8	8	16
27	X X X X X X X X X X X X X X X X X	2	15	17
26	X X X X X X X X X X X X X X X X	11	4	15
25	X X X X X X X	4	3	7
24	X X X X X X X X X X X X	5	7	12
23	X X X X X X X X	1	7	8
22	X X X X X X	2	4	6
21	X X X X X	5	0	5
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	121	225

LIMITS (BTN): CAMERON AVE TO GARVEY AVE SOUTH

OBSERVATION POINT: 2007 PACIFIC AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.7</u>	<u>36.5</u>	<u>38.1</u>	M.P.H.
50TH %:	<u>32.4</u>	<u>30.7</u>	<u>31.5</u>	M.P.H.
15TH %:	<u>25.1</u>	<u>24.9</u>	<u>24.9</u>	M.P.H.
10 MPH PACE:	<u>25 - 34</u>	<u>24 - 33</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>55%</u>	<u>65%</u>	<u>58%</u>	
% OVER PACE:	<u>33%</u>	<u>26%</u>	<u>25%</u>	
% UNDER PACE:	<u>13%</u>	<u>9%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>32.37</u>	<u>30.72</u>	<u>31.48</u>	M.P.H.
SAMPLE VARIANCE:	<u>49.54</u>	<u>31.50</u>	<u>40.33</u>	
STANDARD DEVIATION:	<u>7.04</u>	<u>5.61</u>	<u>6.35</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.48</u>	<u>0.26</u>	<u>0.18</u>	
STD. ERROR OF THE MEAN:	<u>0.69</u>	<u>0.51</u>	<u>0.42</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-30-17 DAY: THURSDAY TIME PERIOD: 12:20PM TO 2:20PM

LOCATION: PASS AND COVINA ROAD

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X X X X	2	3	5
44	X X X X X	2	3	5
43	X X X X X X	2	4	6
42	X X X X X X X X X	4	5	9
41	X X X X X X X X X X	4	6	10
40	X X X X X X X X X X X X	7	6	13
39	X X X X X X X	4	3	7
38	X X X X X X X X X X	7	3	10
37	X X X X X X X X X	4	5	9
36	X X X X X X X X X	4	5	9
35	X X X X X X X X X X X X X X	7	7	14
34	X X X X X X X X X X	3	7	10
33	X X X X X X X X X X X	4	7	11
32	X X X X X X X	3	3	6
31	X X X X X X	3	3	6
30	X X X	1	2	3
29	X X	0	2	2
28	X X X	0	3	3
27	X X	0	2	2
26	X	1	0	1
25	X X	0	2	2
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		63	81	144

LIMITS (BTN): MAPLE GROVE ST TO LARK ELLEN AVE

OBSERVATION POINT: 1732 PASS AND COVINA RD

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.0</u>	<u>41.6</u>	<u>41.8</u>	M.P.H.
50TH %:	<u>37.5</u>	<u>36.3</u>	<u>36.8</u>	M.P.H.
15TH %:	<u>33.0</u>	<u>31.0</u>	<u>31.8</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>67%</u>	<u>71%</u>	
% OVER PACE:	<u>11%</u>	<u>12%</u>	<u>12%</u>	
% UNDER PACE:	<u>13%</u>	<u>21%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>37.52</u>	<u>36.30</u>	<u>36.83</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.96</u>	<u>26.01</u>	<u>23.15</u>	
STANDARD DEVIATION:	<u>4.35</u>	<u>5.10</u>	<u>4.81</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.30</u>	<u>0.32</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.55</u>	<u>0.57</u>	<u>0.40</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD : 12:40PM TO 1:04PM

LOCATION: PLAZA DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL		
											EB	WB	VEHICLES
65											0	0	0
64											0	0	0
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57											0	0	0
56											0	0	0
55											0	0	0
54											0	0	0
53											0	0	0
52											0	0	0
51											0	0	0
50											0	0	0
49											0	0	0
48											0	0	0
47											0	0	0
46											0	0	0
45											0	0	0
44											0	0	0
43											0	0	0
42											0	0	0
41											0	0	0
40											0	0	0
39											0	0	0
38											0	0	0
37											0	0	0
36											0	0	0
35											0	0	0
34											0	0	0
33											0	0	0
32											0	0	0
31											0	0	0
30											0	0	0
29	X	X									0	2	2
28											0	0	0
27	X	X	X								0	3	3
26	X	X									0	2	2
25											0	0	0
24	X	X	X	X	X	X	X	X	X	X	4	6	10
23	X	X	X	X	X	X	X	X	X	X	9	10	19
22	X	X	X	X	X	X	X	X	X	X	15	7	22
21	X	X	X	X	X	X	X	X	X	X	9	11	20
20	X	X	X	X	X	X	X	X	X	X	11	11	22
19	X	X	X	X	X	X	X	X	X	X	18	11	29
18	X	X	X	X	X	X	X	X	X	X	9	14	23
17	X	X	X	X	X	X	X	X	X	X	17	12	29
16	X	X	X	X	X	X	X	X	X	X	6	8	14
15	X	X	X	X	X	X	X	X	X	X	5	6	11
											103	103	206

LIMITS (BTN): CALIFORNIA AVE TO VINCENT AVE

OBSERVATION POINT: UNOCAL 76 GAS STATION

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>22.0</u>	<u>23.3</u>	<u>22.7</u>	M.P.H.
50TH %:	<u>19.5</u>	<u>19.9</u>	<u>19.7</u>	M.P.H.
15TH %:	<u>16.9</u>	<u>16.6</u>	<u>16.7</u>	M.P.H.
10 MPH PACE:	<u>16 - 25</u>	<u>16 - 25</u>	<u>16 - 25</u>	M.P.H.
% IN PACE:	<u>95%</u>	<u>87%</u>	<u>91%</u>	
% OVER PACE:	<u>0%</u>	<u>7%</u>	<u>3%</u>	
% UNDER PACE:	<u>5%</u>	<u>6%</u>	<u>5%</u>	
ARITHMETIC MEAN:	<u>19.48</u>	<u>19.93</u>	<u>19.70</u>	M.P.H.
SAMPLE VARIANCE:	<u>6.02</u>	<u>10.38</u>	<u>8.21</u>	
STANDARD DEVIATION:	<u>2.45</u>	<u>3.22</u>	<u>2.87</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.06</u>	<u>0.10</u>	<u>0.04</u>	
STD. ERROR OF THE MEAN:	<u>0.24</u>	<u>0.32</u>	<u>0.20</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 11:42AM TO 12:16PM

LOCATION: PUENTE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52	X	1	0	1
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X X X	3	0	3
45	X	1	0	1
44	X	1	0	1
43	X X X	2	1	3
42	X X X X	3	1	4
41	X X X X X X X X	4	4	8
40	X X X X X X X X X X	6	5	11
39	X X	9	13	22
38	X X X X X X X X X X X X	6	6	12
37	X X	13	12	25
36	X X X X X X X X X X X X X X X	6	9	15
35	X X X X X X X X X X X X X X X X X X	10	8	18
34	X X X X X X X X X X X X X X X	7	8	15
33	X X X X X X X X X X X X X X X X X X X	11	10	21
32	X X X X X X X X X X X	4	7	11
31	X X X X X X X X X X X X	6	6	12
30	X X X X X X X	3	4	7
29	X X X X	1	3	4
28	X X X X	3	1	4
27	X X X X	2	2	4
26	X X	2	0	2
25		0	0	0
24	X X X	1	2	3
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	102	207

LIMITS (BTN): WEST CITY LIMITS TO SUNSET AVE

OBSERVATION POINT: 1400 PUENTE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.9</u>	<u>39.1</u>	<u>40.1</u>	M.P.H.
50TH %:	<u>35.9</u>	<u>35.1</u>	<u>35.5</u>	M.P.H.
15TH %:	<u>30.9</u>	<u>31.1</u>	<u>30.9</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>31 - 40</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>82%</u>	<u>78%</u>	
% OVER PACE:	<u>14%</u>	<u>6%</u>	<u>10%</u>	
% UNDER PACE:	<u>11%</u>	<u>12%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>35.90</u>	<u>35.11</u>	<u>35.51</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.33</u>	<u>15.19</u>	<u>19.38</u>	
STANDARD DEVIATION:	<u>4.83</u>	<u>3.90</u>	<u>4.40</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.15</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.39</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 12:21PM TO 12:49PM

LOCATION: PUENTE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL			
	EB	WB									VEHICLES			
65	X											1	0	1
64												0	0	0
63												0	0	0
62												0	0	0
61												0	0	0
60												0	0	0
59												0	0	0
58												0	0	0
57												0	0	0
56	X											0	1	1
55												0	0	0
54	X											1	0	1
53	X											0	1	1
52	X											0	1	1
51												0	0	0
50	X	X										1	1	2
49	X											1	0	1
48	X	X	X	X								3	1	4
47	X	X	X	X	X	X	X	X	X	X	X	7	8	15
46	X	X	X	X	X							4	3	7
45	X	X	X	X	X	X	X	X	X	X	X	7	4	11
44	X	X	X	X	X	X	X	X	X	X	X	8	7	15
43	X	X	X	X	X	X	X	X	X	X	X	10	11	21
42	X	X	X	X	X	X	X	X	X	X	X	16	9	25
41	X	X	X	X	X	X						3	7	10
40	X	X	X	X	X	X	X	X	X	X	X	14	11	25
39	X	X	X	X	X	X	X	X	X	X	X	12	10	22
38	X	X	X	X	X	X	X	X	X	X	X	10	8	18
37	X	X	X	X	X	X	X					5	6	11
36	X	X	X	X	X	X						5	4	9
35	X	X	X	X								2	3	5
34	X											0	1	1
33	X	X										1	1	2
32	X	X										2	0	2
31	X	X	X	X	X							1	5	6
30												0	0	0
29												0	0	0
28	X											1	0	1
27												0	0	0
26												0	0	0
25												0	0	0
24												0	0	0
23												0	0	0
22												0	0	0
21												0	0	0
20												0	0	0
19												0	0	0
18												0	0	0
17												0	0	0
16												0	0	0
15												0	0	0
												115	103	218

LIMITS (BTN): SUNSET AVE TO VINCENT AVE

OBSERVATION POINT: 1146 PUENTE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>46.3</u>	<u>45.8</u>	<u>46.1</u>	M.P.H.
50TH %:	<u>41.4</u>	<u>41.0</u>	<u>41.2</u>	M.P.H.
15TH %:	<u>36.6</u>	<u>36.2</u>	<u>36.4</u>	M.P.H.
10 MPH PACE:	<u>38 - 47</u>	<u>38 - 47</u>	<u>38 - 47</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>76%</u>	<u>78%</u>	
% OVER PACE:	<u>6%</u>	<u>5%</u>	<u>6%</u>	
% UNDER PACE:	<u>15%</u>	<u>19%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>41.44</u>	<u>41.03</u>	<u>41.25</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.20</u>	<u>21.60</u>	<u>21.86</u>	
STANDARD DEVIATION:	<u>4.71</u>	<u>4.65</u>	<u>4.67</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.19</u>	<u>0.21</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.44</u>	<u>0.46</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 12:55PM TO 1:21PM

LOCATION: PUENTE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL						
											EB	WB	VEHICLES				
65												0	0	0			
64	X											0	1	1			
63												0	0	0			
62												0	0	0			
61												0	0	0			
60												0	0	0			
59												0	0	0			
58												0	0	0			
57												0	0	0			
56												0	0	0			
55												0	0	0			
54												0	0	0			
53	X											1	0	1			
52	X	X										2	0	2			
51	X	X										2	0	2			
50	X	X	X	X	X							5	1	6			
49	X											0	1	1			
48	X	X	X	X								3	2	5			
47	X	X	X	X	X							0	7	7			
46	X	X	X	X	X	X	X	X	X	X	X	10	5	15			
45	X	X	X	X	X	X						4	4	8			
44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	13	8	21
43	X	X	X	X	X	X						5	5	10			
42	X	X	X	X	X	X	X	X	X	X	X	7	9	16			
41	X	X	X	X	X	X	X	X	X	X	X	9	10	19			
40	X	X	X	X	X	X	X	X	X	X	X	8	11	19			
39	X	X	X	X	X	X						5	3	8			
38	X	X	X	X	X	X	X					4	7	11			
37	X	X	X	X	X	X						7	2	9			
36	X	X	X	X	X	X	X					6	5	11			
35	X	X	X	X	X	X	X	X				4	8	12			
34	X	X	X									1	3	4			
33	X	X	X	X	X							2	5	7			
32	X	X	X									0	3	3			
31	X	X	X	X								3	2	5			
30												0	0	0			
29	X											0	1	1			
28	X	X										1	1	2			
27												0	0	0			
26	X											1	0	1			
25												0	0	0			
24	X											0	1	1			
23	X											1	0	1			
22												0	0	0			
21												0	0	0			
20												0	0	0			
19												0	0	0			
18												0	0	0			
17												0	0	0			
16												0	0	0			
15												0	0	0			
												104	105	209			

LIMITS (BTN): VINCENT AVE TO LARK ELLEN AVE

OBSERVATION POINT: 1108 PUENTE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>47.1</u>	<u>46.0</u>	<u>46.6</u>	M.P.H.
50TH %:	<u>41.3</u>	<u>40.2</u>	<u>40.7</u>	M.P.H.
15TH %:	<u>35.5</u>	<u>34.3</u>	<u>34.9</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>38 - 47</u>	<u>37 - 46</u>	M.P.H.
% IN PACE:	<u>69%</u>	<u>66%</u>	<u>65%</u>	
% OVER PACE:	<u>13%</u>	<u>5%</u>	<u>12%</u>	
% UNDER PACE:	<u>18%</u>	<u>30%</u>	<u>23%</u>	
ARITHMETIC MEAN:	<u>41.30</u>	<u>40.15</u>	<u>40.72</u>	M.P.H.
SAMPLE VARIANCE:	<u>31.57</u>	<u>31.55</u>	<u>31.74</u>	
STANDARD DEVIATION:	<u>5.62</u>	<u>5.62</u>	<u>5.63</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.30</u>	<u>0.30</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.55</u>	<u>0.55</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 1:27PM TO 1:52PM

LOCATION: PUENTE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52	X	0	1	1
51		0	0	0
50	X X X X X	1	4	5
49	X X X X X	3	1	4
48	X X X X X	1	4	5
47	X X X X X X X X X	4	5	9
46	X X X X X X X X X X X X	10	2	12
45	X X X X X X X X X X X X X X X X X X	7	10	17
44	X X X X X X X X X X X X X X X X X X	8	8	16
43	X X	12	7	19
42	X X	8	4	12
41	X X	3	7	10
40	X X	11	10	21
39	X X	7	7	14
38	X X	5	6	11
37	X X	12	6	18
36	X X	8	9	17
35	X X X X X X X X	4	3	7
34	X X X X X X X X X X X X X X X X X X	8	6	14
33	X X X	3	0	3
32	X X X X X X	1	4	5
31		0	0	0
30	X	1	0	1
29	X	0	1	1
28	X X X X	3	1	4
27		0	0	0
26	X	1	0	1
25	X	1	0	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		122	106	228

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE

OBSERVATION POINT: 1450 PUENTE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>45.3</u>	<u>45.9</u>	<u>45.6</u>	M.P.H.
50TH %:	<u>40.0</u>	<u>40.7</u>	<u>40.3</u>	M.P.H.
15TH %:	<u>34.6</u>	<u>35.5</u>	<u>35.1</u>	M.P.H.
10 MPH PACE:	<u>37 - 46</u>	<u>36 - 45</u>	<u>36 - 45</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>70%</u>	<u>68%</u>	
% OVER PACE:	<u>7%</u>	<u>16%</u>	<u>16%</u>	
% UNDER PACE:	<u>25%</u>	<u>14%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>39.98</u>	<u>40.75</u>	<u>40.34</u>	M.P.H.
SAMPLE VARIANCE:	<u>26.64</u>	<u>25.18</u>	<u>26.00</u>	
STANDARD DEVIATION:	<u>5.16</u>	<u>5.02</u>	<u>5.10</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.24</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.49</u>	<u>0.34</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD: 2:00PM TO 2:29PM

LOCATION: PUENTE AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57	X	0	1	1
56	X	1	0	1
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51	X X	1	1	2
50	X X	0	2	2
49	X	1	0	1
48	X X X	2	1	3
47		0	0	0
46	X X X X X X X	2	5	7
45	X X X X X X X	0	7	7
44	X X X X	4	0	4
43	X X X X X X X X	3	5	8
42	X X X X X X X	4	2	6
41	X X X X X X X X X X X X	6	5	11
40	X X X X X X X X X X X X X X X X X X	7	10	17
39	X X	11	10	21
38	X X	7	9	16
37	X X	8	9	17
36	X X X X X X X X X X X X X	7	5	12
35	X X X X X X X X X	4	4	8
34	X X X X X X X X X X X X X X X X X	6	9	15
33	X X X X X X X X	2	5	7
32	X X X X X X X X	5	2	7
31	X X X X X	2	3	5
30	X X X X X X X X X X X	7	3	10
29	X X X X X X X X X	5	3	8
28	X X X	2	1	3
27	X X X X	4	0	4
26	X	0	1	1
25	X	1	0	1
24	X X X	3	0	3
23	X	1	0	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	104	210

LIMITS (BTN): AZUSA AVE TO EAST CITY LIMITS

OBSERVATION POINT: 1906 PUENTE AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>42.8</u>	<u>44.6</u>	<u>43.8</u>	M.P.H.
50TH %:	<u>36.4</u>	<u>38.5</u>	<u>37.5</u>	M.P.H.
15TH %:	<u>29.9</u>	<u>32.5</u>	<u>31.1</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>59%</u>	<u>65%</u>	<u>62%</u>	
% OVER PACE:	<u>10%</u>	<u>17%</u>	<u>14%</u>	
% UNDER PACE:	<u>30%</u>	<u>17%</u>	<u>24%</u>	
ARITHMETIC MEAN:	<u>36.39</u>	<u>38.54</u>	<u>37.45</u>	M.P.H.
SAMPLE VARIANCE:	<u>38.64</u>	<u>33.75</u>	<u>37.21</u>	
STANDARD DEVIATION:	<u>6.22</u>	<u>5.81</u>	<u>6.10</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.36</u>	<u>0.32</u>	<u>0.18</u>	
STD. ERROR OF THE MEAN:	<u>0.60</u>	<u>0.57</u>	<u>0.42</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-25-17 DAY: WEDNESDAY TIME PERIOD : 10:15AM TO 11:10AM

LOCATION: ROWLAND AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X X	1	2	3
44	X X X	3	0	3
43	X X X	1	2	3
42	X X X X X X X X X X X X	9	3	12
41	X X X X X X X X	3	5	8
40	X X X X X X X X X X X X	5	8	13
39	X X X X X X X X X X X X	4	9	13
38	X X	11	13	24
37	X X X X X X X X X X X X X X X X X X	9	11	20
36	X X X X X X X X X X X X X X X X X X	7	14	21
35	X X	14	10	24
34	X X	14	9	23
33	X X X X X X X X X X X X X X	7	7	14
32	X X X X X X X X X X	5	5	10
31	X X X X X X	3	3	6
30	X X X X X	3	2	5
29	X X X X	3	1	4
28	X X	1	1	2
27	X X X X X	3	2	5
26	X	0	1	1
25	X	0	1	1
24	X X	1	1	2
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	110	217

LIMITS (BTN): SUNSET AVE TO VINCENT AVE

OBSERVATION POINT: 1119 ROWLAND AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.3</u>	<u>40.2</u>	<u>40.2</u>	M.P.H.
50TH %:	<u>35.9</u>	<u>36.1</u>	<u>36.0</u>	M.P.H.
15TH %:	<u>31.5</u>	<u>31.9</u>	<u>31.7</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>32 - 41</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>78%</u>	<u>83%</u>	<u>79%</u>	
% OVER PACE:	<u>5%</u>	<u>6%</u>	<u>4%</u>	
% UNDER PACE:	<u>18%</u>	<u>11%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>35.89</u>	<u>36.08</u>	<u>35.99</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.76</u>	<u>15.97</u>	<u>16.78</u>	
STANDARD DEVIATION:	<u>4.21</u>	<u>4.00</u>	<u>4.10</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.17</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.41</u>	<u>0.38</u>	<u>0.28</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-25-17 DAY: WEDNESDAY TIME PERIOD : 12:17PM TO 1:16PM

LOCATION: ROWLAND AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X X X X	3	1	4
49	X X X X X X X X	5	2	7
48	X X X X X X X X	5	3	8
47	X X X X X X X X	5	3	8
46	X X X X X X X X	4	4	8
45	X X X X X	4	1	5
44	X X X X X X X X	6	2	8
43	X X X X X X X X X X X X	9	3	12
42	X X X X X X X X X X X X X X X X X X	11	8	19
41	X X	11	10	21
40	X X	14	13	27
39	X X	9	11	20
38	X X	8	10	18
37	X X	5	13	18
36	X X X X X X X X X X X X X X	6	7	13
35	X X X X X X X X X X X X	2	9	11
34	X X X X X X X X X X X X	5	5	10
33	X X X X X X X	2	4	6
32	X X X X	0	3	3
31	X	1	0	1
30		0	0	0
29		0	0	0
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		115	112	227

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE

OBSERVATION POINT: 1502 ROWLAND AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>45.8</u>	<u>43.6</u>	<u>44.8</u>	M.P.H.
50TH %:	<u>41.3</u>	<u>39.3</u>	<u>40.3</u>	M.P.H.
15TH %:	<u>36.8</u>	<u>35.0</u>	<u>35.8</u>	M.P.H.
10 MPH PACE:	<u>36 - 45</u>	<u>33 - 42</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>80%</u>	<u>74%</u>	
% OVER PACE:	<u>19%</u>	<u>17%</u>	<u>21%</u>	
% UNDER PACE:	<u>9%</u>	<u>3%</u>	<u>4%</u>	
ARITHMETIC MEAN:	<u>41.31</u>	<u>39.29</u>	<u>40.31</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.76</u>	<u>17.00</u>	<u>18.84</u>	
STANDARD DEVIATION:	<u>4.33</u>	<u>4.12</u>	<u>4.34</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.39</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 10:53AM TO 11:46AM

LOCATION: ROWLAND AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	1	0	1
45	X X	0	2	2
44	X	1	0	1
43	X X	1	1	2
42	X X X X	1	3	4
41	X X X X X X X	4	3	7
40	X X X X X X X X X X X	7	5	12
39	X X X X X X X X X X X X	4	9	13
38	X X X X X X X X X X X X X	6	7	13
37	X X X X X X X X X X X X X X	7	8	15
36	X X X X X X X X X X X X X X X X X X	9	13	22
35	X X X X X X X X X X X X X X X X X X	12	7	19
34	X X X X X X X X X X X X X X X X X X	12	9	21
33	X X X X X X X X X X X X X X X X X X	10	8	18
32	X X X X X X X X X X X X	7	6	13
31	X X X X X X X X X X	5	5	10
30	X X X X X X X X X X	4	6	10
29	X X X X X X X	3	3	6
28	X X X X X X X X X X	6	4	10
27	X X X X X	1	3	4
26	X X	2	0	2
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	102	205

LIMITS (BTN): AZUSA AVE TO EAST CITY LIMITS

OBSERVATION POINT: 1831 ROWLAND AVE

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.0</u>	<u>39.4</u>	<u>39.2</u>	M.P.H.
50TH %:	<u>34.7</u>	<u>35.1</u>	<u>34.9</u>	M.P.H.
15TH %:	<u>30.5</u>	<u>30.9</u>	<u>30.7</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>77%</u>	<u>76%</u>	<u>76%</u>	
% OVER PACE:	<u>8%</u>	<u>14%</u>	<u>8%</u>	
% UNDER PACE:	<u>16%</u>	<u>10%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>34.73</u>	<u>35.15</u>	<u>34.94</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.71</u>	<u>16.98</u>	<u>16.80</u>	
STANDARD DEVIATION:	<u>4.09</u>	<u>4.12</u>	<u>4.10</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.17</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.41</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 9:25AM TO 10:17AM

LOCATION: SENTOUS AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41	XX	1	1	2
40	X	1	0	1
39		0	0	0
38	XXX	0	3	3
37	XXX	1	2	3
36	XXXXXXXX	1	5	6
35	XXXXXXXX	2	5	7
34	XXXXXXXXX	2	7	9
33	XXXXXXXX	3	4	7
32	XXXXXXXXXX	6	6	12
31	XXXXXXXXXXXXXXXX	7	10	17
30	XXXXXXXXXXXXXXXX	8	10	18
29	XXXXXXXXXXXXXXXX	7	12	19
28	XXXXXXXXXXXXXXXX	9	10	19
27	XXXXXXXXXXXXXXXX	10	7	17
26	XXXXXXXXXXXXXXXXXXXXXXXX	15	12	27
25	XXXXXXXXXXXXXXXX	8	5	13
24	XXXXXXXXXXXXXXXX	9	3	12
23	XXXXXXXXXXXXXXXX	10	5	15
22	XXXXXXXX	5	1	6
21	XXXX	3	1	4
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	109	217

LIMITS (BTN): HOLLINGWORTH ST TO VALLEY BLVD

OBSERVATION POINT: 603 SENTOUS AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>31.7</u>	<u>34.0</u>	<u>33.0</u>	M.P.H.
50TH %:	<u>27.5</u>	<u>29.7</u>	<u>28.6</u>	M.P.H.
15TH %:	<u>23.4</u>	<u>25.5</u>	<u>24.3</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>26 - 35</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>76%</u>	<u>78%</u>	
% OVER PACE:	<u>10%</u>	<u>10%</u>	<u>18%</u>	
% UNDER PACE:	<u>7%</u>	<u>14%</u>	<u>5%</u>	
ARITHMETIC MEAN:	<u>27.54</u>	<u>29.72</u>	<u>28.64</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.27</u>	<u>16.85</u>	<u>17.69</u>	
STANDARD DEVIATION:	<u>4.03</u>	<u>4.10</u>	<u>4.21</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.15</u>	<u>0.15</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.39</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 2:30PM TO 2:56PM

LOCATION: SHADOW OAK DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X	2	0	2
44	X X X	2	1	3
43	X X X X X X X X X X	7	3	10
42	X X X X X X X X X X X X X X	10	5	15
41	X X X X X X X X X X X X	7	5	12
40	X X X X X X X X X X X X X X X X	8	9	17
39	X X X X X X X X X X X X X X X X X X	9	9	18
38	X X X X X X X X X X X X X X X X X X	7	10	17
37	X X X X X X X X X X X X X X X X X X	10	10	20
36	X X X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X X X X X X X X X	10	10	20
34	X X X X X X X X X X X X X X X X X X	10	10	20
33	X X X X X X X X X X X X X X X X X X	10	10	20
32	X X X X X X X X X X X X X X X X X X	5	10	15
31	X X X X X X X X X X X X	5	6	11
30	X X X X X X X X X X	4	5	9
29	X X X X	2	1	3
28	X	1	0	1
27	X	1	0	1
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		120	114	234

LIMITS (BTN): WOODGATE DR TO GEMINI ST

OBSERVATION POINT: 2000 SHADOW OAK DR

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.2</u>	<u>39.8</u>	<u>40.5</u>	M.P.H.
50TH %:	<u>36.8</u>	<u>36.1</u>	<u>36.5</u>	M.P.H.
15TH %:	<u>32.5</u>	<u>32.4</u>	<u>32.4</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>31 - 40</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>76%</u>	<u>82%</u>	<u>76%</u>	
% OVER PACE:	<u>9%</u>	<u>12%</u>	<u>6%</u>	
% UNDER PACE:	<u>15%</u>	<u>5%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>36.84</u>	<u>36.09</u>	<u>36.47</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.33</u>	<u>13.00</u>	<u>15.30</u>	
STANDARD DEVIATION:	<u>4.16</u>	<u>3.61</u>	<u>3.91</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.11</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.38</u>	<u>0.34</u>	<u>0.26</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 1:57PM TO 2:25PM

LOCATION: SHADOW OAK DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57	X	1	0	1
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	1	0	1
47	X	1	0	1
46	X	0	1	1
45	X X X	1	2	3
44	X X	0	2	2
43	X X X X	2	2	4
42	X X X	1	2	3
41	X X X	1	2	3
40	X X X X X X X X X X X X	7	5	12
39	X X X X X X X X X X X X	8	5	13
38	X X X X X X X X X X X	8	3	11
37	X X X X X X X X X X X X	7	6	13
36	X X X X X X X X X X X X	7	7	14
35	X X X X X X X X X X X X X X	8	7	15
34	X X X X X X X X X X X X X X X X X X	10	10	20
33	X X X X X X X X X X X X X X X X X X	10	10	20
32	X X X X X X X X X X X X X X X X	6	10	16
31	X X X X X X X X X X X X X X X	6	8	14
30	X X X X X X X X X X X X X	5	8	13
29	X X X X X X X X X X	5	5	10
28	X X X X X X X X X X	5	4	9
27	X X X X	2	2	4
26	X X	1	1	2
25	X X X X	1	3	4
24	X X	1	1	2
23	X	1	0	1
22	X	1	0	1
21	X X	2	0	2
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16	X	1	0	1
15		0	0	0
		110	106	216

LIMITS (BTN): GEMINI ST TO NOGALES ST

OBSERVATION POINT: 2300 SHADOW OAK DR

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.3</u>	<u>39.1</u>	<u>39.7</u>	M.P.H.
50TH %:	<u>34.3</u>	<u>34.1</u>	<u>34.2</u>	M.P.H.
15TH %:	<u>28.2</u>	<u>29.1</u>	<u>28.7</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>28 - 37</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>71%</u>	<u>69%</u>	
% OVER PACE:	<u>7%</u>	<u>23%</u>	<u>14%</u>	
% UNDER PACE:	<u>23%</u>	<u>7%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>34.25</u>	<u>34.13</u>	<u>34.19</u>	M.P.H.
SAMPLE VARIANCE:	<u>33.99</u>	<u>23.22</u>	<u>28.58</u>	
STANDARD DEVIATION:	<u>5.83</u>	<u>4.82</u>	<u>5.35</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.31</u>	<u>0.22</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.47</u>	<u>0.36</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 1:00PM TO 1:53PM

LOCATION: SHAKESPEARE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41	X	1	0	1
40		0	0	0
39	X	0	1	1
38	X X	2	0	2
37	X X X X X	3	2	5
36	X X X X X X X X X	4	5	9
35	X X X X X X X X X X X X X X X X X X X	10	8	18
34	X X X X X X X X X	3	6	9
33	X X X X X X X X X X X X X	5	8	13
32	X X X X X X X X X X X X X X X X X	7	9	16
31	X X X X X X X X X X X X X X X X X	6	8	14
30	X X X X X X X X X X X X X X X X X X X X	7	13	20
29	X X X X X X X X X X X X X X X X X X	9	7	16
28	X X X X X X X X X X X X X X X	5	6	11
27	X X X X X X X X X X X	6	5	11
26	X X X X X X X X X X X X X X X X	11	4	15
25	X X X X X X X X X X X X	7	4	11
24	X X X X X X X X X X X X X	5	7	12
23	X X X X X X X X X	4	4	8
22	X X X X X X X X X X	6	3	9
21	X X X X X X X X	4	3	7
20	X X X X X X	3	2	5
19	X X X X	1	2	3
18	X	1	0	1
17	X	0	1	1
16		0	0	0
15		0	0	0
		110	108	218

LIMITS (BTN): SHADOW OAK DR TO TUESDAY DR

OBSERVATION POINT: 2200 SHAKESPEARE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>34.0</u>	<u>34.2</u>	<u>34.1</u>	M.P.H.
50TH %:	<u>28.7</u>	<u>29.3</u>	<u>29.0</u>	M.P.H.
15TH %:	<u>23.4</u>	<u>24.3</u>	<u>23.9</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>27 - 36</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>63%</u>	<u>69%</u>	<u>66%</u>	
% OVER PACE:	<u>9%</u>	<u>3%</u>	<u>8%</u>	
% UNDER PACE:	<u>28%</u>	<u>28%</u>	<u>26%</u>	
ARITHMETIC MEAN:	<u>28.71</u>	<u>29.27</u>	<u>28.99</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.84</u>	<u>22.87</u>	<u>24.34</u>	
STANDARD DEVIATION:	<u>5.08</u>	<u>4.78</u>	<u>4.93</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.23</u>	<u>0.21</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.48</u>	<u>0.46</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 12:10PM TO 12:56PM

LOCATION: SHAKESPEARE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	1	0	1
45		0	0	0
44	X	1	0	1
43		0	0	0
42	X X	2	0	2
41	X X	2	0	2
40	X X X	2	1	3
39	X X X X	2	2	4
38	X X X X X X X X	5	3	8
37	X X X X X X X X X	5	4	9
36	X X X X X X X X	5	3	8
35	X X X X X X X X X X X X X	10	3	13
34	X X X X X X X X X X X X X X X X X	10	6	16
33	X X X X X X X X X X X X X X X X X	10	6	16
32	X X X X X X X X X X X X X X X X X X X	10	9	19
31	X X	11	9	20
30	X X	10	10	20
29	X X	7	10	17
28	X X	7	10	17
27	X X	3	10	13
26	X X	2	9	11
25	X X	2	4	6
24	X X X X X	1	3	4
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18	X	0	1	1
17		0	0	0
16		0	0	0
15		0	0	0
		108	104	212

LIMITS (BTN): TUESDAY DR TO NOGALES ST

OBSERVATION POINT: 2500 SHAKESPEARE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>37.3</u>	<u>34.5</u>	<u>36.1</u>	M.P.H.
50TH %:	<u>32.9</u>	<u>30.3</u>	<u>31.6</u>	M.P.H.
15TH %:	<u>28.6</u>	<u>26.1</u>	<u>27.1</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>25 - 34</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>80%</u>	<u>76%</u>	
% OVER PACE:	<u>14%</u>	<u>15%</u>	<u>18%</u>	
% UNDER PACE:	<u>7%</u>	<u>5%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>32.93</u>	<u>30.28</u>	<u>31.63</u>	M.P.H.
SAMPLE VARIANCE:	<u>17.71</u>	<u>16.55</u>	<u>18.82</u>	
STANDARD DEVIATION:	<u>4.21</u>	<u>4.07</u>	<u>4.34</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.16</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.40</u>	<u>0.30</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 2:20PM TO 4:20PM

LOCATION: STEPHANIE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40	X	1	0	1
39		0	0	0
38		0	0	0
37		0	0	0
36		0	0	0
35		0	0	0
34	X	0	1	1
33	X X X X	3	1	4
32	X X X	1	2	3
31	X X X X	2	2	4
30	X X X X X X X X X X	3	7	10
29	X X X X X X X	3	4	7
28	X X X X X X X X	3	5	8
27	X X X X X X X X	3	5	8
26	X X X X X X X X X X	6	4	10
25	X X X X X X X X X X X X	6	5	11
24	X X X X X X	5	1	6
23	X X X X X X	4	2	6
22	X X	2	0	2
21	X X	2	0	2
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		44	39	83

LIMITS (BTN): TUESDAY DR TO SHADOW OAK DR

OBSERVATION POINT: 3200 STEPHANIE DR

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>30.8</u>	<u>30.8</u>	<u>30.9</u>	M.P.H.
50TH %:	<u>26.8</u>	<u>28.0</u>	<u>27.4</u>	M.P.H.
15TH %:	<u>22.8</u>	<u>25.2</u>	<u>23.9</u>	M.P.H.
10 MPH PACE:	<u>22 - 31</u>	<u>23 - 32</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>84%</u>	<u>95%</u>	<u>88%</u>	
% OVER PACE:	<u>11%</u>	<u>5%</u>	<u>7%</u>	
% UNDER PACE:	<u>5%</u>	<u>0%</u>	<u>5%</u>	
ARITHMETIC MEAN:	<u>26.80</u>	<u>28.03</u>	<u>27.37</u>	M.P.H.
SAMPLE VARIANCE:	<u>14.77</u>	<u>7.24</u>	<u>11.48</u>	
STANDARD DEVIATION:	<u>3.84</u>	<u>2.69</u>	<u>3.39</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.19</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.58</u>	<u>0.43</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD : 10:45AM TO 11:04AM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51	X	0	1	1
50	X	1	0	1
49		0	0	0
48	X	0	1	1
47	X	0	1	1
46	X X X	3	0	3
45	X X X X X X X X X X	3	6	9
44	X X X X	3	1	4
43	X X X X X X X X X	4	5	9
42	X X X X X X X X X X X	9	2	11
41	X X X X X X X X X X X X X X	6	7	13
40	X X X X X X X X X X X X X X X X X X X X	5	15	20
39	X X X X X X X X X X X X X X X X X	5	11	16
38	X X X X X X X X X X X X X X X X	7	8	15
37	X X X X X X X X X X X X X X X X	7	8	15
36	X X X X X X X X X X X X X X X X X X	10	8	18
35	X X X X X X X X X X X X	4	7	11
34	X X X X X X X X X X X X	7	5	12
33	X X X X X	2	3	5
32	X X X X X X	4	2	6
31	X X X X X	3	2	5
30	X X X X X X X X X X X X X X	8	5	13
29	X X X X X	3	1	4
28	X X X X X X X X	4	3	7
27	X X	1	1	2
26	X	1	0	1
25	X	1	0	1
24	X X	1	1	2
23		0	0	0
22	X	1	0	1
21	X X	1	1	2
20	X	1	0	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	105	210

LIMITS (BTN): PUENTE AVE TO ROWLAND AVE

OBSERVATION POINT: 546 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.4</u>	<u>42.8</u>	<u>42.6</u>	M.P.H.
50TH %:	<u>36.2</u>	<u>37.5</u>	<u>36.8</u>	M.P.H.
15TH %:	<u>30.0</u>	<u>32.2</u>	<u>31.1</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>72%</u>	<u>67%</u>	
% OVER PACE:	<u>10%</u>	<u>10%</u>	<u>10%</u>	
% UNDER PACE:	<u>30%</u>	<u>18%</u>	<u>24%</u>	
ARITHMETIC MEAN:	<u>36.19</u>	<u>37.50</u>	<u>36.85</u>	M.P.H.
SAMPLE VARIANCE:	<u>36.16</u>	<u>25.77</u>	<u>31.25</u>	
STANDARD DEVIATION:	<u>6.01</u>	<u>5.08</u>	<u>5.59</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.25</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.59</u>	<u>0.50</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-24-17 DAY: FRIDAY TIME PERIOD: 11:10AM TO 11:30AM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49		0	0	0
48	X	0	1	1
47	X X X X	2	2	4
46	X X X X X	3	2	5
45	X	1	0	1
44	X	1	0	1
43	X X X X X	2	3	5
42	X X X X X X X X X	4	5	9
41	X X X X X X X X X X X X X X X	8	6	14
40	X X X X X X X X X X X X X X X	5	10	15
39	X X X X X X X X X X	5	5	10
38	X X X X X X X X X X X X X X X X X	8	11	19
37	X X X X X X X X X X X X X X X X X X	10	10	20
36	X X X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X X X X X	5	8	13
34	X X X X X X X X X X X X X X X X X X	7	12	19
33	X X X X X X X X X X X X X X	7	7	14
32	X X X X X X X X X X	8	2	10
31	X X X X X X X X X X	5	5	10
30	X X X X X	3	2	5
29	X X X X	3	1	4
28	X	1	0	1
27	X X X X	3	1	4
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	103	206

LIMITS (BTN): ROWLAND AVE TO WORKMAN AVE

OBSERVATION POINT: 344 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>41.5</u>	<u>41.3</u>	<u>41.4</u>	M.P.H.
50TH %:	<u>36.4</u>	<u>37.0</u>	<u>36.7</u>	M.P.H.
15TH %:	<u>31.3</u>	<u>32.8</u>	<u>32.0</u>	M.P.H.
10 MPH PACE:	<u>32 - 41</u>	<u>33 - 42</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>71%</u>	<u>82%</u>	<u>75%</u>	
% OVER PACE:	<u>14%</u>	<u>8%</u>	<u>13%</u>	
% UNDER PACE:	<u>16%</u>	<u>11%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>36.40</u>	<u>37.05</u>	<u>36.72</u>	M.P.H.
SAMPLE VARIANCE:	<u>24.38</u>	<u>16.54</u>	<u>20.46</u>	
STANDARD DEVIATION:	<u>4.94</u>	<u>4.07</u>	<u>4.52</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.24</u>	<u>0.16</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.49</u>	<u>0.40</u>	<u>0.32</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 11:48AM TO 12:06PM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	0	1	1
45	X	0	1	1
44	X X X	2	1	3
43		0	0	0
42	X X X X	2	2	4
41	X X X	1	2	3
40	X X X X X X X X	4	4	8
39	X X X X X X X X X X	1	10	11
38	X X X X X X X X X	2	7	9
37	X X X X X X X X X X	5	5	10
36	X X X X X X X X X X X X X X X X X X	9	10	19
35	X X X X X X X X X X X X X X X X X X	6	11	17
34	X X X X X X X X X X X X X X X X X X	12	6	18
33	X X X X X X X X X X	6	4	10
32	X X X X X X X X X X X	8	3	11
31	X X X X X X X X X X X X X X	8	4	12
30	X X X X X X X X X X	6	4	10
29	X X X X X X	4	2	6
28	X X X X X X X	3	4	7
27	X X X X X X X X X X X	6	5	11
26	X X X X X	3	2	5
25	X X X X X X X X X	4	5	9
24	X X X X X X X X X X	6	4	10
23	X X X X X X X	2	5	7
22	X X X X X	3	1	4
21		0	0	0
20	X	0	1	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	104	207

LIMITS (BTN): WORKMAN AVE TO CAMERON AVE

OBSERVATION POINT: 652 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>37.3</u>	<u>39.4</u>	<u>38.4</u>	M.P.H.
50TH %:	<u>32.0</u>	<u>33.3</u>	<u>32.6</u>	M.P.H.
15TH %:	<u>26.6</u>	<u>27.1</u>	<u>26.8</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>66%</u>	<u>62%</u>	<u>61%</u>	
% OVER PACE:	<u>17%</u>	<u>7%</u>	<u>10%</u>	
% UNDER PACE:	<u>17%</u>	<u>32%</u>	<u>29%</u>	
ARITHMETIC MEAN:	<u>31.97</u>	<u>33.25</u>	<u>32.61</u>	M.P.H.
SAMPLE VARIANCE:	<u>26.85</u>	<u>34.64</u>	<u>31.02</u>	
STANDARD DEVIATION:	<u>5.18</u>	<u>5.89</u>	<u>5.57</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.33</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.58</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 11:25AM TO 11:42AM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X X	2	0	2
46	X	1	0	1
45		0	0	0
44	X X	1	1	2
43	X X X X X X	4	2	6
42	X X X X X X X	3	4	7
41	X X X X	2	2	4
40	X X X X X X X X X	5	4	9
39	X X X X X X X X X	3	6	9
38	X X X X X X X X X X X	4	7	11
37	X X X X X X X X X X X X X X X	7	8	15
36	X X X X X X X X X X X X X X X X X	9	9	18
35	X X X X X X X X X X X X X X X	7	7	14
34	X X X X X X X X X X X X X X X X X	5	11	16
33	X X X X X X X X X X X X X X X X X	10	7	17
32	X X	13	12	25
31	X X X X X X X X X X X X X X X X X	8	8	16
30	X X X X X X X X X X X X	7	5	12
29	X X X X X X X X X X X X	6	6	12
28	X X X X X X X X X	5	3	8
27	X X X X	3	1	4
26	X X	1	1	2
25		0	0	0
24	X	1	0	1
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	104	211

LIMITS (BTN): CAMERON AVE TO MERCED AVE

OBSERVATION POINT: 851 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.4</u>	<u>38.8</u>	<u>39.1</u>	M.P.H.
50TH %:	<u>34.4</u>	<u>34.6</u>	<u>34.5</u>	M.P.H.
15TH %:	<u>29.4</u>	<u>30.5</u>	<u>29.9</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>30 - 39</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>72%</u>	<u>77%</u>	<u>74%</u>	
% OVER PACE:	<u>23%</u>	<u>13%</u>	<u>19%</u>	
% UNDER PACE:	<u>5%</u>	<u>11%</u>	<u>7%</u>	
ARITHMETIC MEAN:	<u>34.39</u>	<u>34.64</u>	<u>34.52</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.50</u>	<u>16.23</u>	<u>19.84</u>	
STANDARD DEVIATION:	<u>4.85</u>	<u>4.03</u>	<u>4.45</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.16</u>	<u>0.09</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.40</u>	<u>0.31</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD: 11:02AM TO 11:19AM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X X	1	1	2
53	X	1	0	1
52	X X X	1	2	3
51		0	0	0
50	X	1	0	1
49		0	0	0
48	X X X X X X X	6	1	7
47	X X	2	0	2
46	X X X X X X X X	3	5	8
45	X X X X	3	1	4
44	X X X X X X	4	2	6
43	X X X X X X X X X X	6	4	10
42	X X X X X X X X X X X X	5	7	12
41	X X X X X X X X X X X X X X X X	5	11	16
40	X X X X X X X X X X X X X X X X X X	5	13	18
39	X X X X X X X X X X X X X X X X X X X X	9	13	22
38	X X X X X X	4	2	6
37	X X X X X X X X X X X X X X X X X X	10	7	17
36	X X X X X X X X X X	5	5	10
35	X X X X X X X X X X X X X X	5	7	12
34	X X X X X X X X X X X X X X X X	10	5	15
33	X X X X X X X X X X X X	4	8	12
32	X X X X X X X X	2	5	7
31	X X X X X X	3	3	6
30	X X X	2	1	3
29	X X X X	3	1	4
28	X	1	0	1
27	X X	2	0	2
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	104	208

LIMITS (BTN): MERCED AVE TO FRANCISQUITO AVE

OBSERVATION POINT: 1400 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.9</u>	<u>43.6</u>	<u>44.3</u>	M.P.H.
50TH %:	<u>38.7</u>	<u>38.6</u>	<u>38.7</u>	M.P.H.
15TH %:	<u>32.5</u>	<u>33.7</u>	<u>33.0</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>33 - 42</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>62%</u>	<u>75%</u>	<u>67%</u>	
% OVER PACE:	<u>21%</u>	<u>15%</u>	<u>21%</u>	
% UNDER PACE:	<u>17%</u>	<u>10%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>38.70</u>	<u>38.64</u>	<u>38.67</u>	M.P.H.
SAMPLE VARIANCE:	<u>36.21</u>	<u>22.95</u>	<u>29.44</u>	
STANDARD DEVIATION:	<u>6.02</u>	<u>4.79</u>	<u>5.43</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.35</u>	<u>0.22</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.59</u>	<u>0.47</u>	<u>0.38</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-20-17 DAY: MONDAY TIME PERIOD : 10:37AM TO 10:56AM

LOCATION: SUNSET AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	0	1	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49	X X	1	1	2
48	X X X X	2	2	4
47	X X X	3	0	3
46	X X X X	3	1	4
45	X	1	0	1
44	X X X X X X	2	4	6
43	X X X X X X X X X X X X X X	5	8	13
42	X X X X X X X X X X X X X X X X X X	7	10	17
41	X X X X X X X X X X X X X X X X X X	4	6	10
40	X X X X X X X X X X X X X X X X X X	4	9	13
39	X X X X X X X X X X X X X X X X X X	2	13	15
38	X X X X X X X X X X X X X X X X X X	7	5	12
37	X X	11	12	23
36	X X X X X X X X X X X X X X X X X X	6	5	11
35	X X	5	12	17
34	X X X X X X X X X X X X X X X X X X	8	6	14
33	X X X X X X X X X X X X X X X X X X	12	2	14
32	X X X X X X X X X X X X X X X X X X	6	4	10
31	X X X X X X X X X X X X X X X X X X	2	4	6
30	X X X X X X X X X X X X X X X X X X	6	1	7
29	X X X X X X X X X X X X X X X X X X	3	0	3
28	X	1	0	1
27		0	0	0
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	106	209

LIMITS (BTN): FRANCISQUITO AVE TO SOUTH CITY LIMITS

OBSERVATION POINT: 1773 SUNSET AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: CLOUDY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>42.7</u>	<u>43.2</u>	<u>43.0</u>	M.P.H.
50TH %:	<u>37.1</u>	<u>38.6</u>	<u>37.9</u>	M.P.H.
15TH %:	<u>31.6</u>	<u>34.0</u>	<u>32.7</u>	M.P.H.
10 MPH PACE:	<u>33 - 42</u>	<u>34 - 43</u>	<u>33 - 42</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>81%</u>	<u>70%</u>	
% OVER PACE:	<u>17%</u>	<u>8%</u>	<u>17%</u>	
% UNDER PACE:	<u>18%</u>	<u>10%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>37.14</u>	<u>38.58</u>	<u>37.87</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.71</u>	<u>19.88</u>	<u>24.64</u>	
STANDARD DEVIATION:	<u>5.36</u>	<u>4.46</u>	<u>4.96</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.28</u>	<u>0.19</u>	<u>0.12</u>	
STD. ERROR OF THE MEAN:	<u>0.53</u>	<u>0.43</u>	<u>0.34</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-22-17 DAY: WEDNESDAY TIME PERIOD : 12:15PM TO 2:15PM

LOCATION: TUESDAY DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	0	1	1
47		0	0	0
46		0	0	0
45		0	0	0
44	X	0	1	1
43	X	0	1	1
42	X X X X	0	4	4
41	X X X X X X	2	4	6
40	X X X X X	1	4	5
39	X X X X X	1	4	5
38	X X X X X X X X X X X X	2	9	11
37	X X X X X X X	2	4	6
36	X X X X X X X X X X X X X	9	3	12
35	X X X X X X	3	3	6
34	X X X X X X	3	3	6
33	X X X X X X X X	5	3	8
32	X X X X X X X X X X X	3	7	10
31	X X X X X	2	3	5
30	X X X X X X X	3	4	7
29	X X X X X X X X	3	5	8
28	X X X X X X X X	3	4	7
27	X X X X X X X	2	4	6
26	X X X X X X	2	3	5
25	X X X X X X X	2	4	6
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		48	78	126

LIMITS (BTN): STEPHANIE DR TO SHAKESPEARE DR

OBSERVATION POINT: 2100 TUESDAY DR

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>37.4</u>	<u>39.9</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>33.0</u>	<u>34.2</u>	<u>33.7</u>	M.P.H.
15TH %:	<u>28.6</u>	<u>28.4</u>	<u>28.4</u>	M.P.H.
10 MPH PACE:	<u>28 - 37</u>	<u>32 - 41</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>56%</u>	<u>63%</u>	
% OVER PACE:	<u>13%</u>	<u>9%</u>	<u>18%</u>	
% UNDER PACE:	<u>13%</u>	<u>35%</u>	<u>19%</u>	
ARITHMETIC MEAN:	<u>32.96</u>	<u>34.19</u>	<u>33.72</u>	M.P.H.
SAMPLE VARIANCE:	<u>18.08</u>	<u>30.75</u>	<u>26.11</u>	
STANDARD DEVIATION:	<u>4.25</u>	<u>5.55</u>	<u>5.11</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.38</u>	<u>0.39</u>	<u>0.21</u>	
STD. ERROR OF THE MEAN:	<u>0.61</u>	<u>0.63</u>	<u>0.46</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-05-17 DAY: WEDNESDAY TIME PERIOD: 11:46AM TO 12:07PM

LOCATION: VALINDA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45	X X	2	0	2
44	X	0	1	1
43	X X	1	1	2
42	X	0	1	1
41	X	1	0	1
40	X X X X	3	1	4
39	X X X X X	4	1	5
38	X X X X X X X	3	4	7
37	X X X X X X X X X X X	5	6	11
36	X X X X X X X X X	1	8	9
35	X X X X X X X X X X X	3	8	11
34	X X X X X X X X X X X X X	4	9	13
33	X X X X X X X X X X X X X X X X X	6	14	20
32	X X X X X X X X X X X X X X X X X	8	9	17
31	X X	13	10	23
30	X X	13	8	21
29	X X X X X X X X X	5	3	8
28	X X X X X X X X X X X X X X	6	7	13
27	X X X X X X X X X X X	5	6	11
26	X X X X X X X X X X X X X X X	8	7	15
25	X X X X X X X X X X	2	7	9
24	X X X	1	2	3
23	X X X X X X X	5	2	7
22	X X	2	0	2
21		0	0	0
20	X X X X	3	1	4
19	X	0	1	1
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	117	221

LIMITS (BTN): GLENDORA AVE TO SERVICE AVE

OBSERVATION POINT: 512 VALINDA AVE

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>36.5</u>	<u>36.4</u>	<u>36.5</u>	M.P.H.
50TH %:	<u>31.0</u>	<u>31.5</u>	<u>31.3</u>	M.P.H.
15TH %:	<u>25.4</u>	<u>26.7</u>	<u>26.1</u>	M.P.H.
10 MPH PACE:	<u>26 - 35</u>	<u>28 - 37</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>68%</u>	<u>70%</u>	<u>69%</u>	
% OVER PACE:	<u>19%</u>	<u>8%</u>	<u>19%</u>	
% UNDER PACE:	<u>13%</u>	<u>22%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>30.98</u>	<u>31.55</u>	<u>31.28</u>	M.P.H.
SAMPLE VARIANCE:	<u>28.50</u>	<u>21.78</u>	<u>24.91</u>	
STANDARD DEVIATION:	<u>5.34</u>	<u>4.67</u>	<u>4.99</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.27</u>	<u>0.19</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.52</u>	<u>0.43</u>	<u>0.34</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 2:00PM TO 2:20PM

LOCATION: VALINDA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59	X	1	0	1
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54	X	1	0	1
53		0	0	0
52		0	0	0
51	X	1	0	1
50		0	0	0
49	X	0	1	1
48	X X X	3	0	3
47		0	0	0
46		0	0	0
45	X X X X X X X X X	4	5	9
44	X X X X X X X X X X	5	5	10
43	X X X X X X X X X X	5	5	10
42	X X X X X X X X X X	6	5	11
41	X X X X X X X X X X X X X X X X	9	7	16
40	X X X X X X X X X X X X X X X X	8	7	15
39	X X	12	12	24
38	X X X X X X X X X X X X X X X X X X	8	10	18
37	X X X X X X X X X X X X X X X X X X	8	10	18
36	X X X X X X X X X X X X X X X X X X	8	10	18
35	X X X X X X X X X X X X	5	7	12
34	X X X X X X X X X X	5	5	10
33	X X X X X X X X X X	5	5	10
32	X X X X X X X X	4	4	8
31	X X X X X X X X	4	3	7
30	X X X X X	2	3	5
29	X X X X	1	3	4
28		0	0	0
27		0	0	0
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	107	212

LIMITS (BTN): SERVICE AVE TO CAMERON AVE

OBSERVATION POINT: 636 VALINDA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.0</u>	<u>42.2</u>	<u>43.1</u>	M.P.H.
50TH %:	<u>38.8</u>	<u>37.8</u>	<u>38.3</u>	M.P.H.
15TH %:	<u>33.5</u>	<u>33.4</u>	<u>33.4</u>	M.P.H.
10 MPH PACE:	<u>35 - 44</u>	<u>35 - 44</u>	<u>35 - 44</u>	M.P.H.
% IN PACE:	<u>70%</u>	<u>73%</u>	<u>72%</u>	
% OVER PACE:	<u>10%</u>	<u>6%</u>	<u>8%</u>	
% UNDER PACE:	<u>20%</u>	<u>21%</u>	<u>21%</u>	
ARITHMETIC MEAN:	<u>38.77</u>	<u>37.78</u>	<u>38.27</u>	M.P.H.
SAMPLE VARIANCE:	<u>25.62</u>	<u>17.85</u>	<u>21.85</u>	
STANDARD DEVIATION:	<u>5.06</u>	<u>4.23</u>	<u>4.67</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.24</u>	<u>0.17</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.49</u>	<u>0.41</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 2:25PM TO 2:45PM

LOCATION: VALINDA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51	X X	0	2	2
50		0	0	0
49	X	1	0	1
48	X X	1	1	2
47	X	0	1	1
46	X	0	1	1
45	X	0	1	1
44	X X X	2	1	3
43	X X X X X X X	2	5	7
42	X X X X X X X X	2	6	8
41	X X X X X X X X X X	4	6	10
40	X X X X X X X X X X X X X X	6	8	14
39	X X X X X X X X X X X	3	8	11
38	X X X X X X X X X X X X X X X X	9	10	19
37	X X	16	10	26
36	X X	11	10	21
35	X X	15	10	25
34	X X	9	10	19
33	X X	11	7	18
32	X X	11	6	17
31	X X	6	6	12
30	X X X X X X X X X X	3	5	8
29	X X X X	0	3	3
28	X	0	1	1
27		0	0	0
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		113	118	231

LIMITS (BTN): CAMERON AVE TO VINE AVE
 OBSERVATION POINT: 902 VALINDA AVE
 POSTED SPEED LIMIT: 40 MPH
 COMMENTS:
 OBSERVER: CARLOS
 WEATHER: SUNNY
 ROAD SURFACE: DRY
 ROAD CONDITION: FAIR
 DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.8</u>	<u>41.6</u>	<u>40.8</u>	M.P.H.
50TH %:	<u>35.9</u>	<u>36.9</u>	<u>36.4</u>	M.P.H.
15TH %:	<u>32.0</u>	<u>32.1</u>	<u>32.0</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>33 - 42</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>86%</u>	<u>72%</u>	<u>79%</u>	
% OVER PACE:	<u>11%</u>	<u>10%</u>	<u>16%</u>	
% UNDER PACE:	<u>4%</u>	<u>18%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>35.88</u>	<u>36.87</u>	<u>36.39</u>	M.P.H.
SAMPLE VARIANCE:	<u>14.00</u>	<u>21.21</u>	<u>17.86</u>	
STANDARD DEVIATION:	<u>3.74</u>	<u>4.60</u>	<u>4.23</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.12</u>	<u>0.18</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.35</u>	<u>0.42</u>	<u>0.28</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 02-01-17 DAY: WEDNESDAY TIME PERIOD : 2:50PM TO 3:06PM

LOCATION: VALINDA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X X X	2	1	3
45	X	0	1	1
44	X X X	2	1	3
43	X X X	3	0	3
42	X X	1	1	2
41	X X X X X X X	4	3	7
40	X X X X X X X X X X X X X	7	6	13
39	X X X X X X X X X X X X X X	6	8	14
38	X X X X X X X X X X X X X X	8	6	14
37	X X X X X X X X X X X X X	8	5	13
36	X X X X X X X X X X X X X X X X X	10	10	20
35	X X	12	13	25
34	X X X X X X X X X X X X X X X X X	11	7	18
33	X X X X X X X X X X X X X X X X	10	7	17
32	X X X X X X X X X X X X X X X X X X	10	10	20
31	X X	7	19	26
30	X X X X X X X X X X X X	1	11	12
29	X X X X X X X X X X	2	8	10
28	X X X X X X X	1	6	7
27	X X X X X X X	3	4	7
26	X X	0	2	2
25	X	0	1	1
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		108	130	238

LIMITS (BTN): VINE AVE TO SOUTH CITY LIMITS

OBSERVATION POINT: 1031 VALINDA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.8</u>	<u>38.1</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>35.6</u>	<u>33.6</u>	<u>34.5</u>	M.P.H.
15TH %:	<u>31.5</u>	<u>29.2</u>	<u>30.1</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>82%</u>	<u>74%</u>	<u>76%</u>	
% OVER PACE:	<u>11%</u>	<u>10%</u>	<u>8%</u>	
% UNDER PACE:	<u>6%</u>	<u>16%</u>	<u>16%</u>	
ARITHMETIC MEAN:	<u>35.62</u>	<u>33.64</u>	<u>34.54</u>	M.P.H.
SAMPLE VARIANCE:	<u>16.11</u>	<u>18.48</u>	<u>18.31</u>	
STANDARD DEVIATION:	<u>4.01</u>	<u>4.30</u>	<u>4.28</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.15</u>	<u>0.14</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.39</u>	<u>0.38</u>	<u>0.28</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-29-17 DAY: WEDNESDAY TIME PERIOD : 3:45PM TO 3:59PM

LOCATION: VALINDA AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X X	1	1	2
55	X	1	0	1
54		0	0	0
53	X	1	0	1
52		0	0	0
51	X	1	0	1
50	X	0	1	1
49	X X	1	1	2
48	X X X X X X	2	4	6
47	X X X	2	1	3
46	X X X	2	1	3
45	X X X X X X X X	6	2	8
44	X X X X X X	3	3	6
43	X X X X X X X X X X X X X X	8	6	14
42	X X X X X X X X X X X X	5	6	11
41	X X X X X X X X X X X X X X X X	6	10	16
40	X X X X X X X X	4	4	8
39	X X X X X X X X X X X X X X X X	9	6	15
38	X X	7	16	23
37	X X X X X X X X X X X X X X X X	9	5	14
36	X X X X X X X X X X X X X X X X X X	8	9	17
35	X X X X X X X X X X X X	6	5	11
34	X X X X X X X X X X X X X X X X	4	10	14
33	X X X X X X X X	3	4	7
32	X X X X X X X X	4	2	6
31	X X X X X X X X	4	2	6
30	X X X X X	2	2	4
29	X X X X X	3	1	4
28	X X	1	1	2
27	X X	0	2	2
26		0	0	0
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		103	105	208

LIMITS (BTN): MAPLEGROVE ST TO SOUTH CITY LIMITS

OBSERVATION POINT: 2050 VALINDA AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>44.9</u>	<u>43.8</u>	<u>44.3</u>	M.P.H.
50TH %:	<u>39.0</u>	<u>38.4</u>	<u>38.7</u>	M.P.H.
15TH %:	<u>33.1</u>	<u>33.1</u>	<u>33.1</u>	M.P.H.
10 MPH PACE:	<u>34 - 43</u>	<u>34 - 43</u>	<u>34 - 43</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>73%</u>	<u>69%</u>	
% OVER PACE:	<u>19%</u>	<u>13%</u>	<u>16%</u>	
% UNDER PACE:	<u>17%</u>	<u>13%</u>	<u>15%</u>	
ARITHMETIC MEAN:	<u>39.01</u>	<u>38.45</u>	<u>38.73</u>	M.P.H.
SAMPLE VARIANCE:	<u>32.54</u>	<u>26.38</u>	<u>29.37</u>	
STANDARD DEVIATION:	<u>5.70</u>	<u>5.14</u>	<u>5.42</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.32</u>	<u>0.25</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.50</u>	<u>0.38</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-30-17 DAY: MONDAY TIME PERIOD : 9:00AM TO 9:20AM

LOCATION: VALLEY BOULEVARD

SPEED (MPH)	TO TAL VEHICLES SURVEYED											TOTAL					
												EB	WB	VEHICLES			
65	X														1	0	1
64															0	0	0
63															0	0	0
62															0	0	0
61															0	0	0
60	X														0	1	1
59	X														0	1	1
58															0	0	0
57															0	0	0
56	X														1	0	1
55	X														0	1	1
54	X	X	X	X											2	2	4
53	X	X													0	2	2
52	X	X	X	X	X										3	2	5
51	X	X	X												0	3	3
50	X	X	X	X	X	X									3	4	7
49	X	X	X	X	X	X									2	5	7
48	X	X	X	X	X	X	X								5	4	9
47	X	X	X	X	X	X	X	X	X	X	X	X			9	5	14
46	X	X	X	X	X	X	X	X	X	X	X	X	X		4	11	15
45	X	X	X	X	X	X	X	X	X	X	X	X	X		5	7	12
44	X	X	X	X	X	X	X	X	X	X	X	X	X		5	7	12
43	X	X	X	X	X	X									3	6	9
42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	13	11	24
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	7	4	11
40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	7	11
39	X	X	X	X	X	X									3	4	7
38	X	X	X	X	X	X	X								5	4	9
37	X	X	X	X	X	X									6	2	8
36	X	X	X	X	X										3	3	6
35	X	X	X												2	1	3
34	X	X	X	X	X										4	3	7
33	X														1	0	1
32	X	X	X	X											1	4	5
31	X	X	X												3	0	3
30	X	X													1	1	2
29	X	X	X	X											2	2	4
28	X	X													2	0	2
27	X	X	X	X											1	3	4
26	X	X	X												2	1	3
25															0	0	0
24															0	0	0
23															0	0	0
22															0	0	0
21															0	0	0
20															0	0	0
19															0	0	0
18															0	0	0
17															0	0	0
16															0	0	0
15															0	0	0
															103	111	214

LIMITS (BTN): WEST CITY LIMITS TO EAST CITY LIMITS

OBSERVATION POINT: 2887 VALLEY BLVD

OBSERVER: CARLOS

POSTED SPEED LIMIT: 50 MPH

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

COMMENTS:

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>48.7</u>	<u>49.9</u>	<u>49.4</u>	M.P.H.
50TH %:	<u>41.5</u>	<u>42.9</u>	<u>42.2</u>	M.P.H.
15TH %:	<u>34.2</u>	<u>35.9</u>	<u>35.0</u>	M.P.H.
10 MPH PACE:	<u>39 - 48</u>	<u>40 - 49</u>	<u>40 - 49</u>	M.P.H.
% IN PACE:	<u>56%</u>	<u>60%</u>	<u>58%</u>	
% OVER PACE:	<u>12%</u>	<u>14%</u>	<u>12%</u>	
% UNDER PACE:	<u>32%</u>	<u>25%</u>	<u>30%</u>	
ARITHMETIC MEAN:	<u>41.47</u>	<u>42.88</u>	<u>42.20</u>	M.P.H.
SAMPLE VARIANCE:	<u>49.09</u>	<u>45.96</u>	<u>47.75</u>	
STANDARD DEVIATION:	<u>7.01</u>	<u>6.78</u>	<u>6.91</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.48</u>	<u>0.41</u>	<u>0.22</u>	
STD. ERROR OF THE MEAN:	<u>0.69</u>	<u>0.64</u>	<u>0.47</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD : 3:42PM TO 3:58PM

LOCATION: VINCENT AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X X X X X X	1	5	6
47	X X X	3	0	3
46	X X X X	0	4	4
45	X X X	1	2	3
44	X X X X X	0	5	5
43	X X X X X X X	2	5	7
42	X X X X X X X X	6	2	8
41	X X X X X X X X X	2	7	9
40	X X X X X X X X X X X X X	8	5	13
39	X X X X X X X X X X X X X	3	9	12
38	X X X X X X X X X X X X X	5	6	11
37	X X X X X X X X X X X X X X	4	10	14
36	X X X X X X X X X X X X X X	2	12	14
35	X X X X X X X X X X X X X X X X	9	7	16
34	X X X X X X X X X X	7	3	10
33	X X X X X X X X X	8	1	9
32	X X X X X X X X X X X X X X X	11	4	15
31	X X X X X	3	2	5
30	X X X X X X X X X	5	4	9
29	X X X X X X X X	6	1	7
28	X X X X X	0	4	4
27	X X X X X X X X X X	6	3	9
26	X X X X X X X X	4	3	7
25	X X X X	2	1	3
24	X X X X X	4	1	5
23	X X X X	2	1	3
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	107	211

LIMITS (BTN): BADILLO ST TO PUENTE AVE

OBSERVATION POINT: VINCENT/EL DORADO

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.2</u>	<u>43.2</u>	<u>41.9</u>	M.P.H.
50TH %:	<u>34.1</u>	<u>37.0</u>	<u>35.6</u>	M.P.H.
15TH %:	<u>27.9</u>	<u>30.9</u>	<u>29.3</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>35 - 44</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>58%</u>	<u>64%</u>	<u>58%</u>	
% OVER PACE:	<u>14%</u>	<u>10%</u>	<u>17%</u>	
% UNDER PACE:	<u>28%</u>	<u>26%</u>	<u>25%</u>	
ARITHMETIC MEAN:	<u>34.09</u>	<u>37.04</u>	<u>35.58</u>	M.P.H.
SAMPLE VARIANCE:	<u>35.21</u>	<u>35.30</u>	<u>37.27</u>	
STANDARD DEVIATION:	<u>5.93</u>	<u>5.94</u>	<u>6.11</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.33</u>	<u>0.18</u>	
STD. ERROR OF THE MEAN:	<u>0.58</u>	<u>0.57</u>	<u>0.42</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD: 2:57PM TO 3:15PM

LOCATION: VINCENT AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED			TOTAL
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50	X	1	0	1
49	X	1	0	1
48		0	0	0
47	X X X	2	1	3
46	X X	0	2	2
45	X X X X X	0	5	5
44	X X X X X X	2	4	6
43	X X X X X X X	6	1	7
42	X X X	1	2	3
41	X X X X X X X X X X X X	4	7	11
40	X X X X X X X X X X X X	3	8	11
39	X X X X X X X X X X X X X X	8	6	14
38	X X X X X X X X X X X X X X X X X X	6	12	18
37	X X X X X X X X X X X X X X X X X X	5	10	15
36	X X X X X X X X X X X X X X	9	4	13
35	X X	7	15	22
34	X X	12	16	28
33	X X X X X X X X X X X X X X X X X X	11	5	16
32	X X	16	3	19
31	X X X X X X X X X X X X X X X X X X	9	2	11
30	X X X X X X	1	4	5
29	X X	0	2	2
28	X X X	3	0	3
27	X	0	1	1
26	X	0	1	1
25	X X	1	1	2
24		0	0	0
23	X	1	0	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	112	221

LIMITS (BTN): ROWLAND AVE TO WORKMAN AVE

OBSERVATION POINT: 400 VINCENT AVE

POSTED SPEED LIMIT: 40 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>40.6</u>	<u>41.5</u>	<u>41.1</u>	M.P.H.
50TH %:	<u>35.6</u>	<u>36.8</u>	<u>36.2</u>	M.P.H.
15TH %:	<u>30.7</u>	<u>32.2</u>	<u>31.4</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>77%</u>	<u>76%</u>	
% OVER PACE:	<u>16%</u>	<u>13%</u>	<u>13%</u>	
% UNDER PACE:	<u>6%</u>	<u>10%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>35.62</u>	<u>36.84</u>	<u>36.24</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.70</u>	<u>19.87</u>	<u>21.54</u>	
STANDARD DEVIATION:	<u>4.76</u>	<u>4.46</u>	<u>4.64</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.18</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.42</u>	<u>0.31</u>	M.P.H.

* P A C E *

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-23-17 DAY: THURSDAY TIME PERIOD : 2:35PM TO 2:52PM

LOCATION: VINCENT AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	1	0	1
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48	X	1	0	1
47		0	0	0
46	X	1	0	1
45	X	1	0	1
44	X	1	0	1
43		0	0	0
42	X X	2	0	2
41	X	1	0	1
40	X X X	2	1	3
39	X X X X X X X X X X	8	3	11
38	X X X X	3	1	4
37	X X X X X X X X X	2	7	9
36	X X X X X X X X	6	2	8
35	X X X X X X X X	3	5	8
34	X X X X X X X X X X X X X X	4	11	15
33	X X X X X X	1	5	6
32	X X X X X X X X X X X X X X X X X X	9	10	19
31	X X X X X X X X	5	3	8
30	X X X X X X X X X X X X X X X X X X	7	13	20
29	X X X X X X X X X X X X	2	10	12
28	X X X X X X X X X X X X X X X X X X X X	14	6	20
27	X X X X X X X X X X X X X X X X	8	8	16
26	X X X X X X X X X	3	6	9
25	X X X X X X X X X X X X X X X X	9	6	15
24	X X X X X X X X	5	3	8
23	X X X X X X X	3	4	7
22	X X X X X	1	4	5
21	X X	2	0	2
20	X X	1	1	2
19	X	1	0	1
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	109	216

LIMITS (BTN): WORKMAN AVE TO INTERSTATE 10

OBSERVATION POINT: 206 VINCENT AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>38.1</u>	<u>34.9</u>	<u>36.6</u>	M.P.H.
50TH %:	<u>31.3</u>	<u>30.2</u>	<u>30.8</u>	M.P.H.
15TH %:	<u>24.4</u>	<u>25.5</u>	<u>24.9</u>	M.P.H.
10 MPH PACE:	<u>23 - 32</u>	<u>25 - 34</u>	<u>25 - 34</u>	M.P.H.
% IN PACE:	<u>61%</u>	<u>72%</u>	<u>65%</u>	
% OVER PACE:	<u>35%</u>	<u>17%</u>	<u>24%</u>	
% UNDER PACE:	<u>5%</u>	<u>11%</u>	<u>12%</u>	
ARITHMETIC MEAN:	<u>31.29</u>	<u>30.23</u>	<u>30.75</u>	M.P.H.
SAMPLE VARIANCE:	<u>43.66</u>	<u>20.53</u>	<u>32.12</u>	
STANDARD DEVIATION:	<u>6.61</u>	<u>4.53</u>	<u>5.67</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.41</u>	<u>0.19</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.64</u>	<u>0.43</u>	<u>0.39</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-04-17 DAY: TUESDAY TIME PERIOD: 11:45AM TO 12:07PM

LOCATION: VINCENT AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		NB	SB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X	0	1	1
45	X X X	0	3	3
44		0	0	0
43	X X	2	0	2
42	X X X	3	0	3
41	X X X X X	0	5	5
40	X X X X X X X X X X X X X	6	7	13
39	X X X X X X X X X X X X X	12	0	12
38	X X X X X X X X X X X X X X X X X X X	8	13	21
37	X X X X X X X X X X X X X	7	5	12
36	X X X X X X X X X X X X X	5	7	12
35	X X X X X X X X X X X X X X X X X X X	8	13	21
34	X X X X X X X X X X X X X X X X X X X	13	5	18
33	X X X X X X X X X X X X X X X X X X X	7	10	17
32	X X X X X	4	0	4
31	X X X X X X X X X X X X X	8	3	11
30	X X X X X X X X X X X X X	3	8	11
29	X X X X X	2	2	4
28	X X X X X X X X	3	4	7
27	X X X X X X X X X	7	1	8
26	X X X X X X	3	2	5
25	X X X X X X X X X X X X	2	8	10
24	X X X X	1	2	3
23	X X	0	2	2
22	X X X X X	1	3	4
21		0	0	0
20	X	0	1	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	105	210

LIMITS (BTN): INTERSTATE 10 TO GLENDORA AVE

OBSERVATION POINT: 220 VINCENT AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	NORTHBOUND	SOUTHBOUND	NORTHBOUND+SOUTHBOUND	
85TH %:	<u>39.1</u>	<u>39.5</u>	<u>39.3</u>	M.P.H.
50TH %:	<u>34.2</u>	<u>33.5</u>	<u>33.8</u>	M.P.H.
15TH %:	<u>29.3</u>	<u>27.4</u>	<u>28.3</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>29 - 38</u>	<u>31 - 40</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>63%</u>	<u>67%</u>	
% OVER PACE:	<u>5%</u>	<u>15%</u>	<u>7%</u>	
% UNDER PACE:	<u>21%</u>	<u>22%</u>	<u>26%</u>	
ARITHMETIC MEAN:	<u>34.16</u>	<u>33.47</u>	<u>33.81</u>	M.P.H.
SAMPLE VARIANCE:	<u>22.39</u>	<u>33.87</u>	<u>28.11</u>	
STANDARD DEVIATION:	<u>4.73</u>	<u>5.82</u>	<u>5.30</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.21</u>	<u>0.32</u>	<u>0.13</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.57</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-06-17 DAY: THURSDAY TIME PERIOD: 11:40AM TO 12:52PM

LOCATION: VINE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	0	1	1
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48		0	0	0
47	X	1	0	1
46	X	1	0	1
45	X X	1	1	2
44	X	0	1	1
43	X X X X X	5	0	5
42	X	0	1	1
41	X X X X X X	4	2	6
40	X X X X	3	1	4
39	X X X X	3	1	4
38	X X X X X X	3	3	6
37	X X X X	3	1	4
36	X X X X X X	3	3	6
35	X X X X X X X X X X X X X X	3	11	14
34	X X	10	10	20
33	X X	11	8	19
32	X X	6	10	16
31	X X X X X X X X X X X X	5	6	11
30	X X X X X X X X X X X X	6	5	11
29	X X X X X X X X X X X X X X	5	8	13
28	X X X X X X X X X X X X X X	7	5	12
27	X X X X X X X X X X X X X X	5	7	12
26	X X X X X X X X X	4	4	8
25	X X	10	9	19
24	X X X X X X X X X X X X	3	8	11
23	X X X X X X X X	2	5	7
22	X X	1	1	2
21		0	0	0
20	X	0	1	1
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		106	113	219

LIMITS (BTN): LARK ELLEN AVE TO AZUSA AVE

OBSERVATION POINT: 1432 VINE AVE

POSTED SPEED LIMIT: 25 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.7</u>	<u>36.7</u>	<u>37.7</u>	M.P.H.
50TH %:	<u>32.5</u>	<u>30.9</u>	<u>31.7</u>	M.P.H.
15TH %:	<u>26.2</u>	<u>25.1</u>	<u>25.6</u>	M.P.H.
10 MPH PACE:	<u>25 - 34</u>	<u>26 - 35</u>	<u>25 - 34</u>	M.P.H.
% IN PACE:	<u>65%</u>	<u>65%</u>	<u>64%</u>	
% OVER PACE:	<u>29%</u>	<u>13%</u>	<u>26%</u>	
% UNDER PACE:	<u>6%</u>	<u>21%</u>	<u>10%</u>	
ARITHMETIC MEAN:	<u>32.46</u>	<u>30.89</u>	<u>31.65</u>	M.P.H.
SAMPLE VARIANCE:	<u>36.50</u>	<u>31.72</u>	<u>34.49</u>	
STANDARD DEVIATION:	<u>6.04</u>	<u>5.63</u>	<u>5.87</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.28</u>	<u>0.16</u>	
STD. ERROR OF THE MEAN:	<u>0.59</u>	<u>0.53</u>	<u>0.40</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-28-17 DAY: TUESDAY TIME PERIOD: 10:13AM TO 11:24AM

LOCATION: VINE AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53	X	1	0	1
52		0	0	0
51		0	0	0
50	X X X	3	0	3
49	X X	2	0	2
48	X	1	0	1
47		0	0	0
46	X X	2	0	2
45	X	1	0	1
44	X X	2	0	2
43	X X	2	0	2
42	X X X X	3	1	4
41	X X X X	4	0	4
40	X X X X X X X X	5	4	9
39	X X X X X X X X X X X X X X	12	2	14
38	X X X X X X X X X X X X X X	8	5	13
37	X X X X X X X X X X X X X X X X	6	10	16
36	X X X X X X X X X X X X	7	5	12
35	X X X X X X X X X X X X X X X X	7	8	15
34	X X X X X X X X X X X X X X X X X X	10	8	18
33	X X X X X X X X X X X X X X X X X X X X	13	9	22
32	X X	14	13	27
31	X X	13	15	28
30	X X X X X X X X X X X X X X X X	9	6	15
29	X X X X X X X X X X X X X X X X X X	11	6	17
28	X X X X X X X X	4	3	7
27	X X X X X X X X X X X X X X X X X X	15	2	17
26	X X X	2	1	3
25	X X X X X	2	3	5
24	X	1	0	1
23	X	0	1	1
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		160	102	262

LIMITS (BTN): AZUSA AVE TO HOLLENBECK ST
OBSERVATION POINT: 2113 VINE ST
POSTED SPEED LIMIT: 25 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>40.4</u>	<u>36.9</u>	<u>39.2</u>	M.P.H.
50TH %:	<u>34.3</u>	<u>33.0</u>	<u>33.8</u>	M.P.H.
15TH %:	<u>28.2</u>	<u>29.1</u>	<u>28.4</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>29 - 38</u>	<u>29 - 38</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>83%</u>	<u>70%</u>	
% OVER PACE:	<u>33%</u>	<u>7%</u>	<u>17%</u>	
% UNDER PACE:	<u>3%</u>	<u>10%</u>	<u>13%</u>	
ARITHMETIC MEAN:	<u>34.33</u>	<u>33.00</u>	<u>33.81</u>	M.P.H.
SAMPLE VARIANCE:	<u>34.51</u>	<u>14.16</u>	<u>26.93</u>	
STANDARD DEVIATION:	<u>5.87</u>	<u>3.76</u>	<u>5.19</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.14</u>	<u>0.10</u>	
STD. ERROR OF THE MEAN:	<u>0.46</u>	<u>0.37</u>	<u>0.32</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-29-17 DAY: WEDNESDAY TIME PERIOD : 1:14PM TO 3:14PM

LOCATION: WEDNESDAY DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44		0	0	0
43		0	0	0
42		0	0	0
41		0	0	0
40	X	0	1	1
39	X X	0	2	2
38	X X X X	2	2	4
37	X X X	1	2	3
36	X X X X X	2	3	5
35	X X X X X X	3	3	6
34	X X X X X X X	3	4	7
33	X X X X X X X	3	4	7
32	X X X X X X X X X X	6	5	11
31	X X X X X X X X X X X	6	5	11
30	X X X X X X X	2	5	7
29	X X X X X X X X	3	5	8
28	X X X X X X X	2	5	7
27	X X X X X X X X X X	3	7	10
26	X X X X X X X X X X X X	0	12	12
25	X X X X	0	4	4
24		0	0	0
23	X	0	1	1
22	X	1	0	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		37	70	107

LIMITS (BTN): GIANO AVE TO TUESDAY DR

OBSERVATION POINT: 1800 WEDNESDAY DR

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>35.3</u>	<u>34.7</u>	<u>35.0</u>	M.P.H.
50TH %:	<u>31.8</u>	<u>30.3</u>	<u>30.8</u>	M.P.H.
15TH %:	<u>28.2</u>	<u>26.0</u>	<u>26.7</u>	M.P.H.
10 MPH PACE:	<u>27 - 36</u>	<u>25 - 34</u>	<u>26 - 35</u>	M.P.H.
% IN PACE:	<u>89%</u>	<u>80%</u>	<u>80%</u>	
% OVER PACE:	<u>8%</u>	<u>19%</u>	<u>14%</u>	
% UNDER PACE:	<u>3%</u>	<u>1%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>31.76</u>	<u>30.33</u>	<u>30.82</u>	M.P.H.
SAMPLE VARIANCE:	<u>11.58</u>	<u>17.64</u>	<u>15.88</u>	
STANDARD DEVIATION:	<u>3.40</u>	<u>4.20</u>	<u>3.99</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.31</u>	<u>0.25</u>	<u>0.15</u>	
STD. ERROR OF THE MEAN:	<u>0.56</u>	<u>0.50</u>	<u>0.39</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-26-17 DAY: THURSDAY TIME PERIOD : 10:05AM TO 10:29AM

LOCATION: WEST COVINA PARKWAY

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X X	0	2	2
46		0	0	0
45	X X	0	2	2
44	X	1	0	1
43	X X X	1	2	3
42	X X X X	0	4	4
41	X X X X X X X X X	3	6	9
40	X X X X X X X X X X X	5	7	12
39	X X X X X X X X X X X X X X X	7	9	16
38	X X X X X X X X X X X X X	9	4	13
37	X X X X X X X X X X X X	5	7	12
36	X X X X X X X X X X X X X X X	9	6	15
35	X X	13	9	22
34	X X	8	14	22
33	X X X X X X X X X X X X X X X X	11	5	16
32	X X X X X X X X X X X X X X X X	9	6	15
31	X X X X X X X X X X X X X X X X	6	9	15
30	X X X X X X X X X X X X X	8	5	13
29	X X X X X X X X X X X X	4	7	11
28	X X X X	3	1	4
27	X X X X	4	0	4
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		107	105	212

LIMITS (BTN): SUNSET AVE TO CALIFORNIA AVE
OBSERVATION POINT: WEST COVINA PKWY PLAZA
POSTED SPEED LIMIT: 35 MPH
COMMENTS:

OBSERVER: CARLOS
WEATHER: PARTLY SUNNY
ROAD SURFACE: DRY
ROAD CONDITION: FAIR
DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.4</u>	<u>40.3</u>	<u>39.4</u>	M.P.H.
50TH %:	<u>34.3</u>	<u>35.7</u>	<u>35.0</u>	M.P.H.
15TH %:	<u>30.3</u>	<u>31.1</u>	<u>30.7</u>	M.P.H.
10 MPH PACE:	<u>30 - 39</u>	<u>31 - 40</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>79%</u>	<u>72%</u>	<u>75%</u>	
% OVER PACE:	<u>9%</u>	<u>15%</u>	<u>16%</u>	
% UNDER PACE:	<u>11%</u>	<u>12%</u>	<u>9%</u>	
ARITHMETIC MEAN:	<u>34.32</u>	<u>35.71</u>	<u>35.01</u>	M.P.H.
SAMPLE VARIANCE:	<u>15.16</u>	<u>19.44</u>	<u>17.69</u>	
STANDARD DEVIATION:	<u>3.89</u>	<u>4.41</u>	<u>4.21</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.14</u>	<u>0.19</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.38</u>	<u>0.43</u>	<u>0.29</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 03-29-17 DAY: WEDNESDAY TIME PERIOD : 11:04AM TO 1:04PM

LOCATION: WOODGATE DRIVE

SPEED (MPH)	TO TAL VEHICLES SURVEYED										TOTAL		
											EB	WB	VEHICLES
65											0	0	0
64											0	0	0
63											0	0	0
62											0	0	0
61											0	0	0
60											0	0	0
59											0	0	0
58											0	0	0
57											0	0	0
56											0	0	0
55											0	0	0
54											0	0	0
53											0	0	0
52											0	0	0
51											0	0	0
50											0	0	0
49											0	0	0
48											0	0	0
47											0	0	0
46											0	0	0
45											0	0	0
44											0	0	0
43											0	0	0
42											0	0	0
41											0	0	0
40	X										0	1	1
39											0	0	0
38											0	0	0
37											0	0	0
36											0	0	0
35	X	X									1	1	2
34	X	X									0	2	2
33	X	X									0	2	2
32	X	X	X								0	3	3
31	X	X	X	X							1	3	4
30	X	X	X	X	X						2	3	5
29	X	X	X	X	X	X					3	5	8
28	X	X	X	X	X	X	X				3	6	9
27	X	X	X	X	X						2	3	5
26	X	X	X	X							2	3	5
25	X	X	X	X	X	X	X				5	3	8
24	X	X	X	X	X	X	X				5	3	8
23	X	X	X	X							1	4	5
22	X										1	0	1
21											0	0	0
20											0	0	0
19											0	0	0
18											0	0	0
17											0	0	0
16											0	0	0
15											0	0	0
											26	42	68

LIMITS (BTN): SHADOW OAK DR TO AMAR RD

OBSERVATION POINT: 3000 WOODGATE DR

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>29.7</u>	<u>32.5</u>	<u>31.5</u>	M.P.H.
50TH %:	<u>26.7</u>	<u>28.5</u>	<u>27.8</u>	M.P.H.
15TH %:	<u>23.6</u>	<u>24.6</u>	<u>24.1</u>	M.P.H.
10 MPH PACE:	<u>22 - 31</u>	<u>23 - 32</u>	<u>23 - 32</u>	M.P.H.
% IN PACE:	<u>96%</u>	<u>86%</u>	<u>88%</u>	
% OVER PACE:	<u>4%</u>	<u>14%</u>	<u>10%</u>	
% UNDER PACE:	<u>0%</u>	<u>0%</u>	<u>1%</u>	
ARITHMETIC MEAN:	<u>26.65</u>	<u>28.55</u>	<u>27.82</u>	M.P.H.
SAMPLE VARIANCE:	<u>8.72</u>	<u>14.25</u>	<u>12.83</u>	
STANDARD DEVIATION:	<u>2.95</u>	<u>3.78</u>	<u>3.58</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.34</u>	<u>0.34</u>	<u>0.19</u>	
STD. ERROR OF THE MEAN:	<u>0.58</u>	<u>0.58</u>	<u>0.43</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-25-17 DAY: WEDNESDAY TIME PERIOD : 3:00PM TO 3:50PM

LOCATION: WORKMAN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47	X	1	0	1
46	XX	2	0	2
45	X	1	0	1
44	XXX	0	3	3
43	XXXXXX	4	2	6
42	XXXXXX	2	4	6
41	XXXXXXXX	3	5	8
40	XXXXXXXXXX	7	7	14
39	XXXXXXXXXX	5	12	17
38	XXXXXXXXXX	10	9	19
37	XXXXXXXXXX	12	8	20
36	XXXXXXXXXX	13	10	23
35	XXXXXXXXXX	12	12	24
34	XXXXXXXXXX	8	11	19
33	XXXXXX	4	4	8
32	XXXXXXXXXX	8	5	13
31	XXXXXX	4	1	5
30	XXXXXXXXXX	11	5	16
29	XXXXXX	6	2	8
28	XXXXXX	4	1	5
27		0	0	0
26	XX	1	1	2
25	X	0	1	1
24	XX	0	2	2
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		118	105	223

LIMITS (BTN): SUNSET AVE TO VINCENT AVE

OBSERVATION POINT: 1211 WORKMAN AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.9</u>	<u>40.5</u>	<u>40.2</u>	M.P.H.
50TH %:	<u>35.4</u>	<u>36.1</u>	<u>35.7</u>	M.P.H.
15TH %:	<u>30.8</u>	<u>31.7</u>	<u>31.2</u>	M.P.H.
10 MPH PACE:	<u>29 - 38</u>	<u>32 - 41</u>	<u>32 - 41</u>	M.P.H.
% IN PACE:	<u>75%</u>	<u>79%</u>	<u>74%</u>	
% OVER PACE:	<u>21%</u>	<u>9%</u>	<u>9%</u>	
% UNDER PACE:	<u>4%</u>	<u>12%</u>	<u>17%</u>	
ARITHMETIC MEAN:	<u>35.39</u>	<u>36.09</u>	<u>35.72</u>	M.P.H.
SAMPLE VARIANCE:	<u>19.35</u>	<u>17.98</u>	<u>18.74</u>	
STANDARD DEVIATION:	<u>4.40</u>	<u>4.24</u>	<u>4.33</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.16</u>	<u>0.17</u>	<u>0.08</u>	
STD. ERROR OF THE MEAN:	<u>0.40</u>	<u>0.41</u>	<u>0.29</u>	M.P.H.

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ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD : 9:30AM TO 10:19AM

LOCATION: WORKMAN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46		0	0	0
45		0	0	0
44	X X	0	2	2
43	X X X	2	1	3
42	X X X X	1	3	4
41		0	0	0
40	X X X	2	1	3
39	X X X X	0	4	4
38	X X X X X	2	3	5
37	X X X X X X X X	3	6	9
36	X X X X X X X X	4	4	8
35	X X X X X X X X X X	6	6	12
34	X X X X X X X X X X	4	7	11
33	X X X X X X X X X X X X X X X X	6	11	17
32	X X X X X X X X X X X X X X X X	9	6	15
31	X X X X X X X X X X X X X X X X X X X X	9	10	19
30	X X X X X X X X X X X X X X X X X X X X	12	6	18
29	X X X X X X X X X X	5	4	9
28	X X X X X X X X X X X X X X	7	6	13
27	X X X X X X X X	4	3	7
26	X X X X X X X X X X	3	7	10
25	X X X X X X X X X X X X	7	4	11
24	X X X X X X X X X X	5	4	9
23	X X X X X X X X X X	6	3	9
22	X X X X X X X X X	2	5	7
21	X X X X	4	0	4
20	X X	2	0	2
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		105	106	211

LIMITS (BTN): AZUSA AVE TO EAST CITY LIMITS

OBSERVATION POINT: 1829 WORKMAN AVE

POSTED SPEED LIMIT: NP MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: PARTLY SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>35.3</u>	<u>37.2</u>	<u>36.3</u>	M.P.H.
50TH %:	<u>29.9</u>	<u>31.6</u>	<u>30.7</u>	M.P.H.
15TH %:	<u>24.5</u>	<u>26.0</u>	<u>25.2</u>	M.P.H.
10 MPH PACE:	<u>24 - 33</u>	<u>28 - 37</u>	<u>28 - 37</u>	M.P.H.
% IN PACE:	<u>64%</u>	<u>62%</u>	<u>62%</u>	
% OVER PACE:	<u>23%</u>	<u>13%</u>	<u>10%</u>	
% UNDER PACE:	<u>13%</u>	<u>25%</u>	<u>28%</u>	
ARITHMETIC MEAN:	<u>29.89</u>	<u>31.58</u>	<u>30.74</u>	M.P.H.
SAMPLE VARIANCE:	<u>27.22</u>	<u>29.08</u>	<u>28.75</u>	
STANDARD DEVIATION:	<u>5.22</u>	<u>5.39</u>	<u>5.36</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.26</u>	<u>0.27</u>	<u>0.14</u>	
STD. ERROR OF THE MEAN:	<u>0.51</u>	<u>0.52</u>	<u>0.37</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 04-06-17 DAY: THURSDAY TIME PERIOD : 1:15PM TO 1:40PM

LOCATION: WORKMAN AVENUE

SPEED (MPH)	TO TAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56	X	0	1	1
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49	X	1	0	1
48		0	0	0
47	X	1	0	1
46	X	1	0	1
45	X X	1	1	2
44	X X	1	1	2
43	X	0	1	1
42	X X	1	1	2
41	X X X X X X X	6	1	7
40	X X X X X X X	7	0	7
39	X X X X X X X X	6	3	9
38	X X X X X X X X	4	4	8
37	X X X X X X X X X X X X X X	6	9	15
36	X X X X X X X X X X X X	6	6	12
35	X X X X X X X X X X X X X X X X	9	10	19
34	X X X X X X X X X X X X X X X X X X X X	10	13	23
33	X X X X X X X X X X X X X X X X X X X X	13	10	23
32	X X X X X X X X X X X X X X X X X X X X	12	9	21
31	X X X X X X X X X X X X X X X X	8	6	14
30	X X X X X X X X X X X X	3	9	12
29	X X X X X X X X X X	2	7	9
28	X X X X X X X X X X X X	3	8	11
27	X X X X	2	2	4
26	X X X	2	1	3
25	X X X	2	1	3
24	X	1	0	1
23	X	1	0	1
22	X	0	1	1
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		109	105	214

LIMITS (BTN): WEST CITY LIMITS TO CITRUS ST

OBSERVATION POINT: 2525 WORKMAN AVE

POSTED SPEED LIMIT: 35 MPH

COMMENTS:

OBSERVER: CARLOS

WEATHER: SUNNY

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>39.7</u>	<u>38.2</u>	<u>39.0</u>	M.P.H.
50TH %:	<u>34.6</u>	<u>33.4</u>	<u>34.0</u>	M.P.H.
15TH %:	<u>29.6</u>	<u>28.6</u>	<u>29.1</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>28 - 37</u>	<u>28 - 37</u>	M.P.H.
% IN PACE:	<u>74%</u>	<u>83%</u>	<u>74%</u>	
% OVER PACE:	<u>11%</u>	<u>12%</u>	<u>20%</u>	
% UNDER PACE:	<u>15%</u>	<u>5%</u>	<u>6%</u>	
ARITHMETIC MEAN:	<u>34.62</u>	<u>33.42</u>	<u>34.03</u>	M.P.H.
SAMPLE VARIANCE:	<u>23.85</u>	<u>21.27</u>	<u>22.84</u>	
STANDARD DEVIATION:	<u>4.88</u>	<u>4.61</u>	<u>4.78</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.22</u>	<u>0.20</u>	<u>0.11</u>	
STD. ERROR OF THE MEAN:	<u>0.47</u>	<u>0.45</u>	<u>0.33</u>	M.P.H.

ENGINEERING AND TRAFFIC SURVEY

CITY OF WEST COVINA

DATE: 01-24-17 DAY: TUESDAY TIME PERIOD: 2:15PM TO 2:57PM

LOCATION: WORKMAN AVENUE

SPEED (MPH)	TOTAL VEHICLES SURVEYED	TOTAL		
		EB	WB	VEHICLES
65		0	0	0
64		0	0	0
63		0	0	0
62		0	0	0
61		0	0	0
60		0	0	0
59		0	0	0
58		0	0	0
57		0	0	0
56		0	0	0
55		0	0	0
54		0	0	0
53		0	0	0
52		0	0	0
51		0	0	0
50		0	0	0
49		0	0	0
48		0	0	0
47		0	0	0
46	X X	0	2	2
45	X X	0	2	2
44	X X	0	2	2
43	X X X	1	2	3
42	X X	0	2	2
41	X X X X X X	3	3	6
40	X X X X X X X X	5	4	9
39	X X X X X X X X X X X X X X X X	6	11	17
38	X X X X X X X X X X X X X X X X	8	9	17
37	X X X X X X X X X X X X X X X X X	9	10	19
36	X X X X X X X X X X X X X X X X X X	10	10	20
35	X X X X X X X X X X X X X X X X X X X X	12	11	23
34	X X X X X X X X X X X X X X X X X X X	12	8	20
33	X X X X X X X X X X X X X X X X X X X	14	7	21
32	X X X X X X X X X X X X X X X X X X	8	6	14
31	X X X X X X X X X X X X	7	4	11
30	X X X X X X X X X X X	5	5	10
29	X X X X	3	1	4
28		0	0	0
27	X	0	1	1
26	X	1	0	1
25		0	0	0
24		0	0	0
23		0	0	0
22		0	0	0
21		0	0	0
20		0	0	0
19		0	0	0
18		0	0	0
17		0	0	0
16		0	0	0
15		0	0	0
		104	100	204

LIMITS (BTN): CITRUS ST TO EAST CITY LIMITS

OBSERVATION POINT: 259 WORKMAN AVE

OBSERVER: CARLOS

POSTED SPEED LIMIT: 35 MPH

WEATHER: PARTLY SUNNY

COMMENTS:

ROAD SURFACE: DRY

ROAD CONDITION: FAIR

DATA COLLECTION METHOD: RADAR

	EASTBOUND	WESTBOUND	EASTBOUND+WESTBOUND	
85TH %:	<u>38.2</u>	<u>40.4</u>	<u>39.4</u>	M.P.H.
50TH %:	<u>34.8</u>	<u>36.3</u>	<u>35.6</u>	M.P.H.
15TH %:	<u>31.5</u>	<u>32.2</u>	<u>31.8</u>	M.P.H.
10 MPH PACE:	<u>31 - 40</u>	<u>30 - 39</u>	<u>30 - 39</u>	M.P.H.
% IN PACE:	<u>88%</u>	<u>81%</u>	<u>84%</u>	
% OVER PACE:	<u>4%</u>	<u>17%</u>	<u>13%</u>	
% UNDER PACE:	<u>9%</u>	<u>2%</u>	<u>3%</u>	
ARITHMETIC MEAN:	<u>34.84</u>	<u>36.34</u>	<u>35.57</u>	M.P.H.
SAMPLE VARIANCE:	<u>10.43</u>	<u>15.60</u>	<u>13.47</u>	
STANDARD DEVIATION:	<u>3.23</u>	<u>3.95</u>	<u>3.67</u>	M.P.H.
VARIANCE OF THE MEAN:	<u>0.10</u>	<u>0.16</u>	<u>0.07</u>	
STD. ERROR OF THE MEAN:	<u>0.32</u>	<u>0.39</u>	<u>0.26</u>	M.P.H.

* P A C E *

APPENDIX C

Survey Equipment Used

SURVEY EQUIPMENT USED

The radar equipment used to collect speed measurements for this survey was a Stalker-II SDR Model and a Stalker ATR Model Hand-Held Traffic Radar manufactured by Applied Concepts of Plano, Texas. The calibration of the units were checked before each series of measurements were taken. Tests of the unit were conducted in accordance with the manufacturer's specifications. The Stalker-II SDR Hand-Held Traffic Radar and the Stalker-ATR Hand-Held Traffic Radar were last calibrated on January 3, 2017 by RHF Inc.



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received <i>1-3-17</i>	Certification Number <i>71262</i>						
2	DEVICE ID	Make Applied Concepts	Model Stalker-II <i>SDR</i> or <i>MDR</i>	Type (1-IV) <i>III</i> or <i>IV</i>	Directional radar <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Same direction <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		Counting unit S/N <i>A5002077</i>	Antenna-1 S/N <i>N/A</i>	Antenna-2 S/N <i>N/A</i>					
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)	PASS	FAIL	
		<i>303112</i>			<i>40</i>	<i>4168</i>			
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork		High fork		PASS	FAIL
		Fork speed (mph)		<i>25</i>		<i>40</i>			
		Disp. Speed (mph)		<i>25</i>		<i>40</i>			
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph)	<i>15</i>	Displayed. (mph)	<i>N/A</i>		
Moving mode Same Direction	TARGET SPEED (Hi fork + Lo fork Ho fork - Lo fork)	Expected. (mph)	<i>65</i> <i>15</i>	Displayed. (mph)	<i>N/A</i>				
5	§ 2.6.1. / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) <i>13.6 V</i>	Antenna 1 Freq. GHz <i>34.731</i>	Antenna 2 Freq. GHz <i>N/A</i>	PASS	FAIL			
		Standard supply Voltage - 20% (V) <i>10.8 V</i>	Antenna 1 Freq. GHz <i>34.731</i>	Antenna 2 Freq. GHz <i>N/A</i>					
		Standard supply voltage + 20% (V) <i>16.3 V</i>	Antenna 1 Freq. GHz <i>34.731</i>	Antenna 2 Freq. GHz <i>N/A</i>					
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 2	Antenna 1 Power (mW/cm) <i>.9</i>	Antenna 2 Power (mW/cm) <i>N/A</i>	PASS	FAIL			
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) $\leq 7 V$	LVA activates (V) <i>5.7</i>	LVA deactivates (V) <i>6.2</i>	PASS	FAIL			
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No B. Functioning audio volume-adjustment control <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			PASS	FAIL			
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. PASS	Test results <i>PASS</i>		PASS	FAIL			
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A. B. Selects only targets moving away from radar <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.			PASS	FAIL			
11	§ 2.12.7 / § 2.12.8 / § 5.12.7 / § 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)		Low speed spec. <i>12</i>	Lo speed disp. <i>12</i>	PASS	FAIL		
				Hi speed spec. <i>200</i>	Hi speed disp. <i>200</i>				
		Moving Mode target channel (mph)		Low speed spec. <i>20</i>	Lo speed disp. <i>N/A</i>				
				Hi speed spec. <i>200(C)</i>	Hi speed disp. <i>N/A</i>				
Moving Mode: patrol channel (mph)		Low speed spec. <i>15</i>	Lo speed disp. <i>N/A</i>						
		Hi speed spec. <i>79</i>	Hi speed disp. <i>N/A</i>						
12	§ 2.13 / § 5.13 RFI TEST					PASS	FAIL		
13	LABORATORY COMMENTS								
14	NHTSA/IACP CERTIFICATION	<i>This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802</i> <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL Certified by: <i>Fred Bauman</i> Date: <i>1-3-17</i>							
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Bat. <input type="checkbox"/> Carrying Case <input type="checkbox"/> Other: (please list)							



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received <i>1-3-17</i>	Certification Number <i>71263</i>					
2	DEVICE ID	Make Applied Concepts	Model Stalker-ATR	Type (I-IV) III or IV	Directional radar <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		Counting unit S/N <i>71888</i>	Antenna-1 S/N N/A	Antenna-2 S/N N/A	Same direction <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N <i>720341</i>	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)	PASS	FAIL
		High speed fork S/N <i>227227</i>	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)		
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork	High fork	PASS	FAIL	
		Fork speed (mph)	25	40				
		Disp. Speed (mph)	<i>25</i>	<i>40</i>				
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) 15	Displayed. (mph) <i>N/A</i>			
Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork	Expected. (mph) N/A	Displayed. (mph) N/A					
5	§ 2.6.1. / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) 13.6 V	Antenna 1 Freq. GHz <i>34.730</i>	Antenna 2 Freq. GHz N/A	PASS	FAIL		
		Standard supply Voltage - 20% (V) 10.8 V	Antenna 1 Freq. GHz <i>34.730</i>	Antenna 2 Freq. GHz N/A				
		Standard supply voltage + 20% (V) 16.3 V	Antenna 1 Freq. GHz <i>34.730</i>	Antenna 2 Freq. GHz N/A				
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 4	Antenna 1 Power (mW/cm) <i>.81</i>	Antenna 2 Power (mW/cm) N/A	PASS	FAIL		
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) ≤ 10.8 V	LVA activates (V) <i>6.9</i>	LVA deactivates (V) <i>8.5</i>	PASS	FAIL		
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal B. Functioning audio volume-adjustment control		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PASS	FAIL		
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. 40 Test OK	Test results <i>40 TEST OK</i>		PASS	FAIL		
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar B. Selects only targets moving away from radar		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.	PASS	FAIL		
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)		Low speed spec. 12	Lo speed disp. <i>12</i>	PASS	FAIL	
				Hi speed spec. 200	Hi speed disp. <i>200</i>			
		Moving Mode target channel (mph)		Low speed spec. 15	Lo speed disp. <i>N/A</i>			
				Hi speed spec. 200(C)	Hi speed disp. <i>N/A</i>			
		Moving Mode: patrol channel (mph)		Low speed spec. 5	Lo speed disp. <i>N/A</i>			
				Hi speed spec. 70	Hi speed disp. <i>N/A</i>			
12	§ 2.13 / § 5.13 RFI TEST					PASS	FAIL	
13	LABORATORY COMMENTS							
14	NHTSA/IACP CERTIFICATION	<i>This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802</i>				<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL		
		Certified by: <i>Ford Bauman</i>		Date: <i>1-3-17</i>				
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Bat. <input type="checkbox"/> Carrying Case <input type="checkbox"/> Other: (please list)						

