

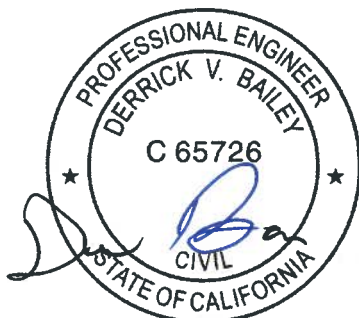


# Chapala Street

## Traffic & Engineering Survey Summary

From / To	W. Gutierrez Street to W. Carrillo Street
FAU Classification	Principal Arterial
Width	55 Feet
Length	3,340 Feet
Striping, Parking and Land Use	Two-way left turn lane, turn lanes, parking on both sides, residential/business
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	29.4 mph
Pace	20 to 30 mph
Average Daily Traffic	10,290
Special Characteristics	
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date	6/1/2021
Date prepared	6/1/2014 JR/BG

**City of Santa Barbara**  
**Derrick Bailey P.E., T.E.**  
**Supervising Transportation Engineer**  
**Registered Civil Engineer Number C 65726**



9.10.14



# Chapala Street

## Traffic & Engineering Survey Summary

From / To	W. Carrillo Street to W. Victoria Street
FAU Classification	Principal Arterial
Width	55 Feet
Length	3,602 Feet
Striping, Parking and Land Use	One-Way, white broken lines, parking on west sides, business
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	32.9mph
Pace	25 to 35mph
Average Daily Traffic	11,710 vehicles
Special Characteristics	Pedestrians safety
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date:	6/1/2021
Date prepared	6/1/2014 JR/BG

**City of Santa Barbara**  
**Derrick Bailey P.E., T.E.**  
**Supervising Transportation Engineer**  
**Registered Civil Engineer Number C 65726**



4.10.14



# Chapala Street

## Traffic & Engineering Survey Summary

From / To	W. Victoria Street to W. Mission Street
FAU Classification	Minor Arterial
Width	32 Feet
Length	1,551 Feet
Striping, Parking and Land Use	One-Way, white broken center line Parking on both sides, residential/business
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	33.0 mph
Pace	24 to 34 mph
Average Daily Traffic	4,980 vehicles
Special Characteristics	Pedestrians Safety
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date:	6/1/2021
Date prepared	6/1/2014 JR/BG

**City of Santa Barbara**  
**Derrick Bailey P.E., T.E.**  
**Supervising Transportation Engineer**  
**Registered Civil Engineer Number C 65726**



9.10.14



# Chapala Street

## Traffic & Engineering Survey Summary

From / To	W. Mission Street to W. Alamar Avenue
FAU Classification	Minor Arterial
Width	36 Feet
Length	3,574 Feet
Striping, Parking and Land Use	Bike lane, edge line, parking on both sides, residential
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	33.5 mph
Pace	24 to 34 mph
Average Daily Traffic	3,990
Special Characteristics	Pedestrian and Bicyclist safety
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date	6/1/2014
Date prepared	6/1/2014 jr/bg

**City of Santa Barbara**  
**Derrick Bailey P.E., T.E.**  
**Supervising Transportation Engineer**  
**Registered Civil Engineer Number C 65726**



9.10.14

GRADIENT  
ROADSIDE DEVELOPMENT  
REMARKS:

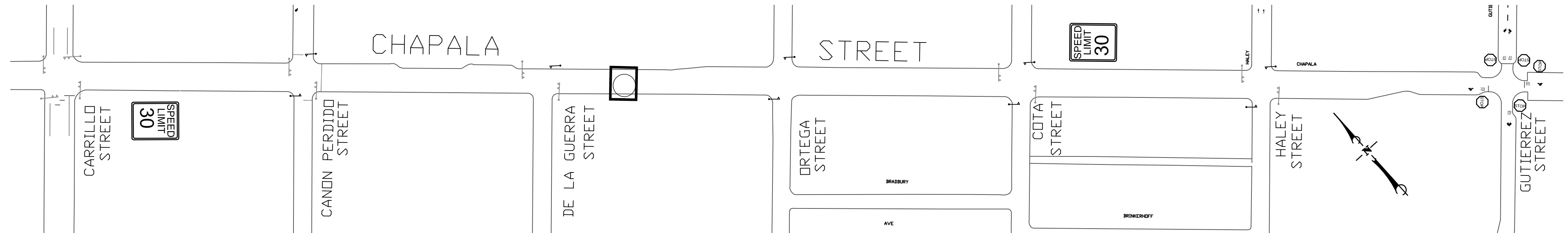
BUSINESS RESIDENTIAL

CITY OF SANTA BARBARA

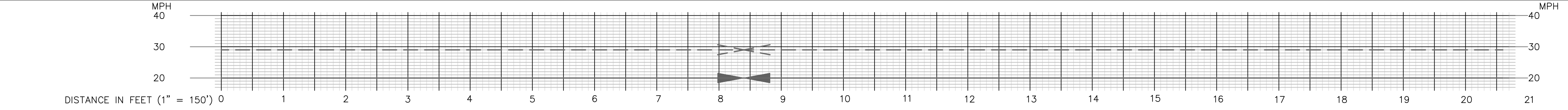


SPEED ZONE SURVEY  
**Chapala Street**

FROM West Gutierrez Street  
TO West Carrillo Street  
SCALE: 1" = 150'  
DATE: June 1, 2014  
PREPARED BY: JR/BG



ROADWAY WIDTH	55 FEET
AVERAGE DAILY TRAFFIC	10,200
NO. OF STRIPED LANES	THREE LANES - PARTIAL PARKING ON THE SOUTH SIDE
TYPE OF DIVISION STRIPE	TWO-WAY LEFT TURN LANE - BROKEN WHITE LANE LINES
OBSERVED SPEED CRITICAL	29.4 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	20 to 30 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH

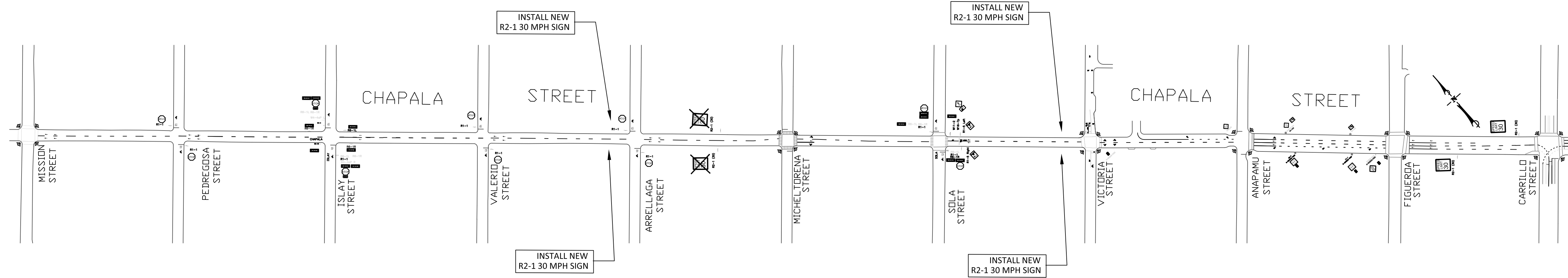


SEGMENT COLLISION RATE	6.17 acc/MVM
2009 DISTRICT 5 URBAN 3LN	(1.59 acc/MVM)
2009 STATEWIDE 3 yr 3LN	(1.42 acc/MVM)

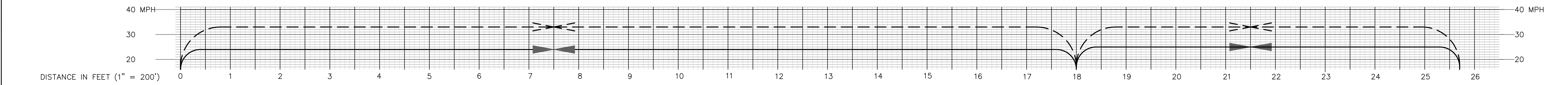
LEGEND

- ROAD SIGNS
- REGULATORY & WARNING (CODE NO.)
- TRAFFIC SIGNALS
- SENIOR CENTERS
- SCHOOLS
- CHURCHES
- SPEED STUDY LOCATION
- VOLUME STUDY LOCATION
- CRITICAL SPEED - 85%
- LOWER LIMIT OF 10mph PACE

GRADIENT	
ROADSIDE DEVELOPMENT	RESIDENTIAL BUSINESS/RESIDENTIAL BUSINESS
REMARKS:	



ROADWAY WIDTH	32 FEET	55 FEET
AVERAGE DAILY TRAFFIC	4,980	11,700
NO. OF STRIPED LANES	TWO LANES - PARKING ON BOTH SIDE	FOUR LANES - PARTIAL PARKING ON THE WESTSIDE
TYPE OF DIVISION STRIPE	NONE	NONE
OBSERVED SPEED CRITICAL	33.0 MPH - OBSERVED 85th PERCENTILE SPEED	32.9 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	24 to 34 MPH - OBSERVED 10mph PACE	25 to 35 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH	30 MPH



SEGMENT COLLISION RATE	3.49 acc/MVM	3.45 acc/MVM
2009 DISTRICT 5 URBAN	(1.59 acc/MVM)	(2.19 acc/MVM)
2009 STATEWIDE 3 yr	(1.42 acc/MVM)	(2.09 acc/MVM)

CITY OF SANTA BARBARA



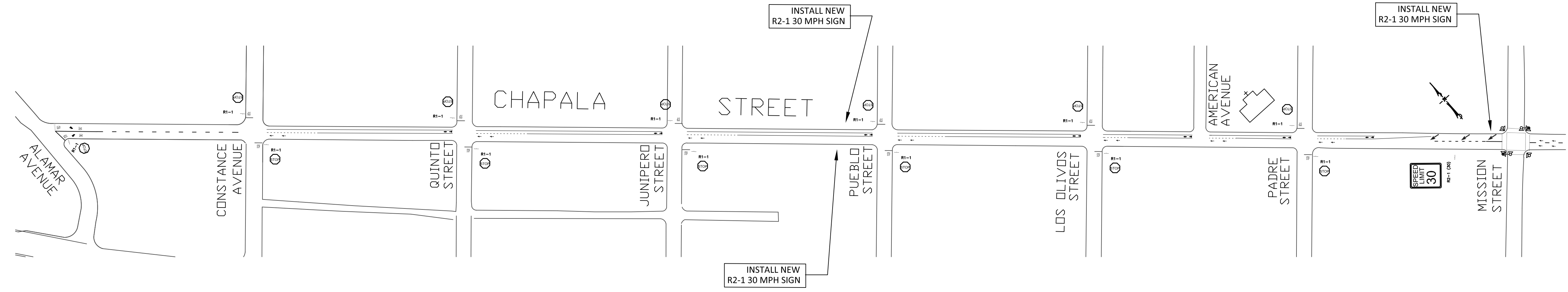
**SPEED ZONE SURVEY**  
**Chapala Street**

FROM West Carrillo Street  
 TO West Mission Street  
 SCALE: 1" = 200'  
 DATE: June 1, 2014  
 PREPARED BY: JR/BG

- LEGEND**
- ROAD SIGNS
  - REGULATORY & WARNING (CODE NO.)
  - TRAFFIC SIGNALS
  - SENIOR CENTERS
  - SCHOOLS
  - CHURCHES
  - SPEED STUDY LOCATION
  - VOLUME STUDY LOCATION
  - CRITICAL SPEED - 85%
  - LOWER LIMIT OF 10mph PACE

GRADIENT  
ROADSIDE DEVELOPMENT  
REMARKS:

RESIDENTIAL



CITY OF SANTA BARBARA



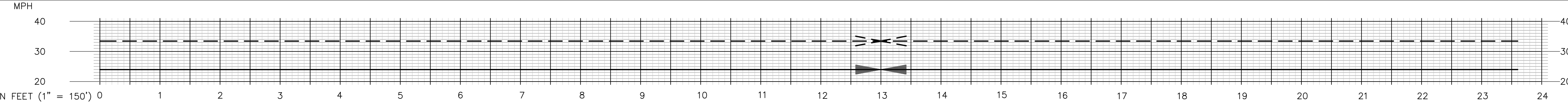
SPEED ZONE SURVEY  
**Chapala Street**

FROM West Mission Street  
TO West Alamar Avenue  
SCALE: 1" = 150'  
DATE: June 1, 2014  
PREPARED BY: JR/BG

LEGEND

- ROAD SIGNS
- REGULATORY & WARNING (CODE NO.)
- TRAFFIC SIGNALS
- SENIOR CENTERS
- SCHOOLS
- CHURCHES
- SPEED STUDY LOCATION
- VOLUME STUDY LOCATION
- CRITICAL SPEED - 85%
- LOWER LIMIT OF 10mph PACE

ROADWAY WIDTH	36 FEET
AVERAGE DAILY TRAFFIC	3,990
NO. OF STRIPED LANES	ONE LANE WITH BIKE LANE - PARKING ON BOTH SIDES
TYPE OF DIVISION STRIPE	BIKE LANE - EDGE LINE
OBSERVED SPEED CRITICAL	33.5 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	24 to 34 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH



SEGMENT COLLISION RATE	3.71 acc/MVM
2009 DISTRICT 5 URBAN 2LN	(1.59 acc/MVM)
2009 STATEWIDE 3 yr 2LN	(1.42 acc/MVM)

City of Santa Barbara

Description 1: Chapala Street 700  
 Description 2: Study  
 Description 3: C5 May 2014

Site:  
 Tuesday, 4/29/2014, 10:58:13 AM -  
 Thursday, 5/1/2014, 10:06:11 AM

Speed Grand Totals  
 NB

mph	Total	Hourly Averages												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	57.0	4.5	4.0	11.0	23.0	9.5	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	38.5	1.5	2.5	7.5	14.5	9.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5
2:00 AM	18.0	0.0	1.5	3.5	8.0	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	12.0	0.0	0.0	2.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	9.5	0.0	1.0	1.0	2.0	4.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
5:00 AM	33.5	1.5	0.5	5.5	15.0	9.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	75.0	3.0	4.5	25.5	29.5	10.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5
7:00 AM	167.5	2.0	12.5	45.0	51.0	44.5	10.5	0.5	0.0	0.0	0.0	0.5	0.0	1.0
8:00 AM	305.0	9.5	17.0	77.0	119.0	65.0	16.0	0.5	0.0	0.0	0.0	1.0	0.0	0.0
9:00 AM	377.5	17.0	35.5	93.5	137.0	68.5	22.0	3.5	0.0	0.0	0.0	0.5	0.0	0.0
10:00 AM	162.7	11.7	17.0	54.3	59.7	17.3	1.7	0.3	0.7	0.0	0.0	0.0	0.0	0.0
11:00 AM	497.0	51.5	53.0	136.5	168.0	69.0	15.5	2.0	0.5	0.5	0.0	0.0	0.5	0.0
12:00 PM	621.5	70.5	90.5	189.5	189.5	59.5	16.0	1.5	1.5	0.5	1.0	1.0	0.0	0.5
1:00 PM	591.0	70.5	71.0	175.0	191.0	65.5	13.5	0.0	0.0	0.5	1.5	1.0	1.0	0.5
2:00 PM	566.0	74.5	58.0	151.5	180.0	80.5	14.5	2.0	0.0	1.0	1.0	1.0	0.5	1.5
3:00 PM	554.5	62.0	54.0	146.0	201.5	78.0	8.0	3.5	0.0	0.5	0.5	0.5	0.0	0.0
4:00 PM	610.0	78.0	70.5	216.0	174.0	58.0	11.0	0.5	0.5	1.0	0.0	0.0	0.5	0.0
5:00 PM	644.0	85.5	111.5	233.5	155.5	46.0	7.0	1.5	1.0	0.5	1.5	0.5	0.0	0.0
6:00 PM	540.5	89.0	76.5	166.5	151.5	45.5	7.0	2.0	0.0	0.5	0.5	1.0	0.0	0.5
7:00 PM	482.0	79.5	69.5	149.5	127.0	48.0	6.5	0.5	0.5	0.0	0.5	0.0	0.0	0.5
8:00 PM	415.0	70.5	43.0	119.0	135.5	41.0	5.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0
9:00 PM	320.5	70.0	32.5	118.5	75.5	19.5	2.5	0.5	0.0	0.0	1.5	0.0	0.0	0.0
10:00 PM	188.0	19.0	14.0	60.5	72.0	18.0	3.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0
11:00 PM	92.0	11.0	7.0	20.0	36.5	14.0	2.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5
ADT	7378.2	882.2	847.0	2207.8	2321.2	889.3	170.7	23.8	5.7	6.5	8.0	7.5	2.5	6.0

Percentile Speeds (mph)	<u>10%</u> 14.1	<u>15%</u> 16.7	<u>50%</u> 24.5	<u>85%</u> 30.0	<u>90%</u> 31.3
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10 mph Pace Speed	20.5 - 30.5	Average	24.0 mph
Number in Pace	9202 (61.7 %)	Minimum	5.0 mph
		Maximum	94.6 mph

Speeds Exceeded	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>
Count	0.5 % 73	0.3 % 48	0.1 % 17

mph	Total	Study Grand Totals												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
NB	14919	1776 11.9%	1711 11.5%	4470 30.0%	4702 31.5%	1796 12.0%	343 2.3%	48 0.3%	12 0.1%	13 0.1%	16 0.1%	15 0.1%	5 0.0%	12 0.1%



City of Santa Barbara

Description 1: Chapala Street 700  
 Description 2: Study  
 Description 3: C5 May 2014

Site:  
 Tuesday, 4/29/2014, 10:58:13 AM -  
 Thursday, 5/1/2014, 10:06:11 AM

Speed Grand Totals  
 SB

mph	Total	Hourly Averages												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	18.5	2.5	3.0	7.0	3.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	13.0	0.0	0.0	3.0	6.5	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	8.5	0.0	0.0	3.0	4.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	3.5	0.5	0.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	7.0	1.0	1.0	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	14.0	1.0	0.0	4.5	6.5	1.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
6:00 AM	44.0	0.0	6.5	16.0	16.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	107.0	6.0	15.0	43.5	37.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	189.5	39.0	45.0	47.5	47.0	9.5	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0
9:00 AM	205.5	38.0	47.0	69.0	41.0	6.5	1.5	0.5	1.0	0.5	0.5	0.0	0.0	0.0
10:00 AM	55.7	11.3	16.3	16.0	9.0	2.0	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0
11:00 AM	163.5	40.5	27.5	50.0	40.5	3.5	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
12:00 PM	198.5	66.5	42.5	54.0	29.0	5.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
1:00 PM	196.5	57.5	36.5	63.0	31.5	6.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.5
2:00 PM	169.0	47.5	23.5	57.0	32.0	7.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	164.5	39.5	33.5	53.5	30.0	7.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	196.0	59.0	36.0	52.5	38.5	8.5	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0
5:00 PM	214.5	68.0	37.5	67.0	33.5	5.0	2.0	0.5	0.0	0.5	0.5	0.0	0.0	0.0
6:00 PM	181.5	60.5	33.5	42.0	38.0	5.5	1.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
7:00 PM	140.5	42.5	23.5	43.0	23.5	3.0	2.5	1.0	0.0	1.0	0.5	0.0	0.0	0.0
8:00 PM	105.0	26.5	23.0	28.5	21.0	3.5	1.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0
9:00 PM	76.0	17.5	13.0	25.5	18.5	1.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
10:00 PM	46.0	7.0	7.5	13.0	13.5	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	29.5	4.5	1.5	11.5	9.5	2.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
ADT	2547.2	636.3	473.3	772.0	535.5	96.5	16.3	5.0	4.8	5.3	1.5	0.0	0.0	0.5

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	9.4	12.0	21.3	26.9	28.1

10 mph Pace Speed	18.1 - 28.1	Average	20.2 mph
Number in Pace	2826 (54.9 %)	Minimum	5.0 mph
		Maximum	89.6 mph

Speeds Exceeded	45 mph	55 mph	65 mph
Count	0.5 % 25	0.1 % 4	0.0 % 1

mph	Total	Study Grand Totals												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
SB	5150	1284	963	1560	1080	195	33	10	10	11	3	0	0	1
		24.9%	18.7%	30.3%	21.0%	3.8%	0.6%	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%

City of Santa Barbara

Description 1: Chapala Street 700  
 Description 2: Study  
 Description 3: C5 May 2014

Site:  
 Tuesday, 4/29/2014, 10:58:13 AM -  
 Thursday, 5/1/2014, 10:06:11 AM

Speed Grand Totals  
 Combined

mph	Total	Hourly Averages												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	75.5	7.0	7.0	18.0	26.5	11.5	4.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	51.5	1.5	2.5	10.5	21.0	12.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5
2:00 AM	26.5	0.0	1.5	6.5	12.0	5.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	15.5	0.5	0.5	3.0	6.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	16.5	1.0	2.0	2.0	6.0	4.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
5:00 AM	47.5	2.5	0.5	10.0	21.5	10.0	2.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0
6:00 AM	119.0	3.0	11.0	41.5	46.0	15.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5
7:00 AM	274.5	8.0	27.5	88.5	88.0	49.5	11.0	0.5	0.0	0.0	0.0	0.5	0.0	1.0
8:00 AM	494.5	48.5	62.0	124.5	166.0	74.5	16.0	0.5	1.0	0.5	0.0	1.0	0.0	0.0
9:00 AM	583.0	55.0	82.5	162.5	178.0	75.0	23.5	4.0	1.0	0.5	0.5	0.5	0.0	0.0
10:00 AM	218.3	23.0	33.3	70.3	68.7	19.3	2.0	0.3	1.0	0.3	0.0	0.0	0.0	0.0
11:00 AM	660.5	92.0	80.5	186.5	208.5	72.5	16.5	2.0	1.0	0.5	0.0	0.0	0.5	0.0
12:00 PM	820.0	137.0	133.0	243.5	218.5	64.5	16.5	2.0	2.0	0.5	1.0	1.0	0.0	0.5
1:00 PM	787.5	128.0	107.5	238.0	222.5	71.5	14.0	1.0	0.0	0.5	1.5	1.0	1.0	1.0
2:00 PM	735.0	122.0	81.5	208.5	212.0	88.0	15.5	2.5	0.0	1.0	1.0	1.0	0.5	1.5
3:00 PM	719.0	101.5	87.5	199.5	231.5	85.5	8.5	3.5	0.0	0.5	0.5	0.5	0.0	0.0
4:00 PM	806.0	137.0	106.5	268.5	212.5	66.5	11.5	0.5	1.0	1.5	0.0	0.0	0.5	0.0
5:00 PM	858.5	153.5	149.0	300.5	189.0	51.0	9.0	2.0	1.0	1.0	2.0	0.5	0.0	0.0
6:00 PM	722.0	149.5	110.0	208.5	189.5	51.0	8.0	2.0	0.5	1.0	0.5	1.0	0.0	0.5
7:00 PM	622.5	122.0	93.0	192.5	150.5	51.0	9.0	1.5	0.5	1.0	1.0	0.0	0.0	0.5
8:00 PM	520.0	97.0	66.0	147.5	156.5	44.5	6.0	1.0	0.5	0.5	0.0	0.5	0.0	0.0
9:00 PM	396.5	87.5	45.5	144.0	94.0	20.5	2.5	0.5	0.0	0.5	1.5	0.0	0.0	0.0
10:00 PM	234.0	26.0	21.5	73.5	85.5	22.0	4.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0
11:00 PM	121.5	15.5	8.5	31.5	46.0	16.0	2.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5
ADT	9925.3	1518.5	1320.3	2979.8	2856.7	985.8	187.0	28.8	10.5	11.8	9.5	7.5	2.5	6.5

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	13.0	14.9	23.8	29.4	30.7

10 mph Pace Speed	20.0 - 30.0	Average	23.1 mph
Number in Pace	11812 (58.9 %)	Minimum	5.0 mph
		Maximum	94.6 mph

Speeds Exceeded	45 mph	55 mph	65 mph
Count	0.5 % 98	0.3 % 52	0.1 % 18

mph	Total	Study Grand Totals												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
NB	14919	1776	1711	4470	4702	1796	343	48	12	13	16	15	5	12
		11.9%	11.5%	30.0%	31.5%	12.0%	2.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%
SB	5150	1284	963	1560	1080	195	33	10	10	11	3	0	0	1
		24.9%	18.7%	30.3%	21.0%	3.8%	0.6%	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%
Combined	20069	3060	2674	6030	5782	1991	376	58	22	24	19	15	5	13
		15.2%	13.3%	30.0%	28.8%	9.9%	1.9%	0.3%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%



# 1100 Chapala Street

May 7, 2014 Carillo Street to Mission Street Posted Speed is 30 MPH

1 (mph)	2 ui	3 fi	4 fiui	5 % class	6 cumulative %	7 fi*ui^2	7 f(ui-u)^2
Speed Range	Class Midvalue	Frequency					
11-14	12	0	0	0.0%	0.0%	0	0
15-19	17	0	0	0.0%	0.0%	0	0
20-24	22	0	0	0.0%	0.0%	0	0
25-29	27	41	1107	41.0%	41.0%	29889	1225449
30-34	32	51	1632	51.0%	92.0%	52224	2663424
35-39	37	7	259	7.0%	99.0%	9583	67081
40-44	42	1	42	1.0%	100.0%	1764	1764
45-49	47	0	0	0.0%	100.0%	0	0
50-54	52	0	0	0.0%	100.0%	0	0
55-59	56	0	0	0.0%	100.0%	0	0
		100	3,040			93,460.0	3,957,718.0
$u = \sum fiui / \sum fi$							
Total Volume		85 Percentile	Mean	Standard Dev.	Median	Skewness Index	
100		32.9	30.4	3.2	29.5	1.27	
10 mph Pace		25 mph to		35 mph			

Prepared By J Rousseau



# 1600 Chapala Street

April 30, 2014

Carillo Street to Mission Street

Posted Speed is 30 MPH

1 (mph)	2 ui	3 fi	4 fui	5 % class	6 cumulative %	7 fi*ui^2	7 f(ui-u)^2
Speed Range	Class Midvalue	Frequency					
11-14	12	0	0	0.0%	0.0%	0	0
15-19	17	0	0	0.0%	0.0%	0	0
20-24	22	5	110	5.0%	5.0%	2420	12100
25-29	27	43	1161	43.0%	48.0%	31347	1347921
30-34	32	43	1376	43.0%	91.0%	44032	1893376
35-39	37	8	296	8.0%	99.0%	10952	87616
40-44	42	1	42	1.0%	100.0%	1764	1764
45-49	47	0	0	0.0%	100.0%	0	0
50-54	52	0	0	0.0%	100.0%	0	0
55-59	56	0	0	0.0%	100.0%	0	0
		100	2,985			90,515.0	3,342,777.0
$u = f_{iui}/f_i$							
Total Volume		85 Percentile	Mean	Standard Dev.	Median	Skewness Index	
100		33.0	29.9	3.8	29.1	1.06	
10 mph Pace		24 mph to		34 mph			

Prepared By J Rousseau

City of Santa Barbara

Description 1: Chapala Street 2228  
 Description 2: Study  
 Description 3: C6 May 2014

Site:  
 Wednesday, 4/30/2014, 12:00:00 AM -  
 Thursday, 5/1/2014, 12:00:00 AM

Volume Grand Totals

Channel: NB

Average Interval Volumes

12:00 AM	1.0	5.0	12:00 PM	74.0	307.0
12:15 AM	1.0		12:15 PM	85.0	
12:30 AM	1.0		12:30 PM	70.0	
12:45 AM	2.0		12:45 PM	78.0	
1:00 AM	1.0	5.0	1:00 PM	66.0	291.0
1:15 AM	0.0		1:15 PM	76.0	
1:30 AM	2.0		1:30 PM	69.0	
1:45 AM	2.0		1:45 PM	80.0	
2:00 AM	1.0	6.0	2:00 PM	76.0	309.0
2:15 AM	1.0		2:15 PM	82.0	
2:30 AM	2.0		2:30 PM	73.0	
2:45 AM	2.0		2:45 PM	78.0	
3:00 AM	0.0	2.0	3:00 PM	69.0	324.0
3:15 AM	0.0		3:15 PM	80.0	
3:30 AM	1.0		3:30 PM	90.0	
3:45 AM	1.0		3:45 PM	85.0	
4:00 AM	2.0	15.0	4:00 PM	95.0	406.0
4:15 AM	1.0		4:15 PM	115.0	
4:30 AM	6.0		4:30 PM	100.0	
4:45 AM	6.0		4:45 PM	96.0	
5:00 AM	2.0	33.0	5:00 PM	91.0	292.0
5:15 AM	10.0		5:15 PM	72.0	
5:30 AM	9.0		5:30 PM	59.0	
5:45 AM	12.0		5:45 PM	70.0	
6:00 AM	20.0	164.0	6:00 PM	56.0	226.0
6:15 AM	27.0		6:15 PM	68.0	
6:30 AM	50.0		6:30 PM	48.0	
6:45 AM	67.0		6:45 PM	54.0	
7:00 AM	56.0	206.0	7:00 PM	56.0	168.0
7:15 AM	42.0		7:15 PM	37.0	
7:30 AM	51.0		7:30 PM	40.0	
7:45 AM	57.0		7:45 PM	35.0	
8:00 AM	45.0	182.0	8:00 PM	31.0	119.0
8:15 AM	42.0		8:15 PM	29.0	
8:30 AM	49.0		8:30 PM	29.0	
8:45 AM	46.0		8:45 PM	30.0	
9:00 AM	55.0	211.0	9:00 PM	26.0	76.0
9:15 AM	52.0		9:15 PM	21.0	
9:30 AM	53.0		9:30 PM	14.0	
9:45 AM	51.0		9:45 PM	15.0	
10:00 AM	80.0	274.0	10:00 PM	9.0	35.0
10:15 AM	61.0		10:15 PM	10.0	
10:30 AM	63.0		10:30 PM	8.0	
10:45 AM	70.0		10:45 PM	8.0	
11:00 AM	92.0	318.0	11:00 PM	5.0	19.0
11:15 AM	90.0		11:15 PM	4.0	
11:30 AM	79.0		11:30 PM	7.0	
11:45 AM	57.0		11:45 PM	3.0	

ADT 3993.0

Total Volume 3993

City of Santa Barbara

Description 1: Chapala Street 2228  
 Description 2: Study  
 Description 3: C6 May 2014

Site:  
 Tuesday, 4/29/2014, 1:21:16 PM -  
 Thursday, 5/1/2014, 9:30:35 AM

Speed Grand Totals  
 NB

mph	Total	Hourly Averages												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	6.0	0.0	0.5	1.5	1.0	2.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	4.0	0.0	0.0	0.0	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	4.0	0.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	4.5	0.0	0.0	0.0	2.0	0.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
4:00 AM	14.0	0.0	2.0	1.5	5.0	2.5	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	40.0	1.0	0.5	7.0	13.0	12.5	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	159.0	0.5	3.5	19.5	61.5	55.0	17.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	193.5	0.0	2.0	23.0	73.5	69.0	22.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	191.0	0.0	5.0	28.0	75.5	69.5	11.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
9:00 AM	149.5	0.0	1.5	23.0	66.0	46.0	11.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	274.0	2.0	7.0	47.0	116.0	83.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	318.0	0.0	19.0	39.0	106.0	130.0	23.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	307.0	1.0	5.0	37.0	132.0	106.0	24.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	242.5	2.5	9.0	47.0	97.0	71.0	14.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	317.5	1.5	12.5	45.5	148.0	90.5	18.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	337.5	2.0	5.0	52.0	141.5	115.5	19.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	417.0	2.5	4.5	46.0	193.0	142.5	27.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	275.5	0.5	4.5	40.5	103.5	102.0	21.0	3.0	0.0	0.0	0.0	0.0	0.0	0.5
6:00 PM	231.0	1.0	1.0	20.5	109.0	76.0	20.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0
7:00 PM	161.5	1.0	4.5	18.5	75.5	47.5	13.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	124.0	0.5	3.0	15.0	56.0	34.5	14.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	81.0	0.0	2.5	17.0	30.0	21.5	8.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
10:00 PM	28.5	0.0	0.0	4.5	9.0	9.0	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	16.5	0.5	1.0	2.5	4.0	6.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	3897.0	17.0	94.0	536.5	1621.5	1294.0	299.5	32.0	2.0	0.0	0.0	0.0	0.0	0.5

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	23.5	24.7	29.2	33.5	34.7

10 mph Pace Speed	24.2 - 34.2	Average	29.1 mph
Number in Pace	5228 (75.8 %)	Minimum	7.1 mph
		Maximum	91.9 mph

Speeds Exceeded	45 mph	55 mph	65 mph
Count	0.1 %	0.0 %	0.0 %
	5	1	1

mph	Total	Study Grand Totals												
		0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
NB	6895	31	157	950	2889	2269	533	61	4	0	0	0	0	1
		0.4%	2.3%	13.8%	41.9%	32.9%	7.7%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%

Chapala Street - Gutierrez to Carrillo

Segment length in feet	3,340	
Number of collisions =	44	See below.
AADT	10,290	
Time period in years =	3	01/01/2010-12/31/2012
<b>Segment Collision rate =</b>	<b>6.17320</b>	ACC/MVM
2009 District 5 Urban 3LN =	1.59	ACC/MVM
2009 Statewide 3 yr 3LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE
1	4585055	CHAPALA ST	HALEY ST	1/9/2010		0 Not stated	Broadside
2	4548036	CHAPALA ST	CARRILLO ST	1/18/2010		0 Not stated	Side swipe
3	4562677	CANON PERDIDO ST	CHAPALA ST	1/22/2010		0 Not stated	Broadside
4	4562717	CARRILLO ST	CHAPALA ST	1/22/2010		0 Not stated	Head on
5	4656799	CHAPALA ST	CARRILLO ST	3/18/2010		0 North	Rear end
6	4703854	CHAPALA ST	HALEY ST	4/30/2010		0 Not stated	Broadside
7	4700600	CHAPALA ST	ORTEGA ST	5/4/2010		0 Not stated	Broadside
8	4784735	CHAPALA ST	ORTEGA ST	5/28/2010		0 Not stated	Broadside
9	4762634	CHAPALA ST	HALEY ST	6/26/2010	12	North	Over-turned
10	4911020	CHAPALA ST	COTA ST	8/4/2010		0 Not stated	Broadside
11	4860588	CHAPALA ST	CARRILLO ST	8/19/2010	40	South	Rear end
12	4873050	CHAPALA ST	DE LA GUERRA ST	9/5/2010	6	North	Auto-ped
13	4941692	CHAPALA ST	CANON PERDIDO ST	10/30/2010	50	South	Rear end
14	4979391	CARRILLO ST	CHAPALA ST	11/6/2010		0 Not stated	Auto-ped
15	5081158	CHAPALA ST	CARRILLO ST	1/11/2011		0 Not stated	Rear end
16	5124263	CHAPALA ST	COTA ST	3/8/2011		0 Not stated	Rear end
17	5116156	CARRILLO ST	CHAPALA ST	3/16/2011		0 Not stated	Side swipe
18	5147175	CHAPALA ST	COTA ST	4/5/2011		0 Not stated	Broadside
19	5183302	CARRILLO ST	CHAPALA ST	5/3/2011		0 Not stated	Side swipe
20	5183274	CHAPALA ST	COTA ST	5/6/2011		0 Not stated	Broadside
21	5228497	HALEY ST	CHAPALA ST	5/31/2011	9	East	Auto-ped
22	5221871	CHAPALA ST	CARRILLO ST	6/22/2011	42	South	Side swipe
23	5221843	CARRILLO ST	CHAPALA ST	6/23/2011		0 Not stated	Side swipe
24	5293028	CHAPALA ST	ORTEGA ST	6/24/2011		0 Not stated	Broadside
25	5220762	CHAPALA ST	CARRILLO ST	7/1/2011	30	South	Side swipe
26	5275271	CHAPALA ST	HALEY ST	8/16/2011		0 Not stated	Auto-ped
27	5334691	CHAPALA ST	COTA ST	9/2/2011		0 Not stated	Broadside
28	5334593	CHAPALA ST	COTA ST	9/12/2011		0 Not stated	Broadside
29	5316870	GUTIERREZ ST	CHAPALA ST	9/19/2011		0 Not stated	Side swipe
30	5320658	CHAPALA ST	GUTIERREZ ST	9/26/2011	3	North	Broadside
31	5320681	CHAPALA ST	HALEY ST	9/28/2011		0 Not stated	Broadside
32	5371434	CHAPALA ST	HALEY ST	9/30/2011		0 Not stated	Rear end
33	5371634	CHAPALA ST	COTA ST	10/4/2011	6	North	Auto-ped
34	5465527	HALEY ST	CHAPALA ST	12/23/2011		0 Not stated	Broadside
35	5484478	CHAPALA ST	COTA ST	1/4/2012		0 Not stated	Auto-ped
36	5487601	HALEY ST	CHAPALA ST	1/23/2012		0 Not stated	Side swipe
37	5574246	ORTEGA ST	CHAPALA ST	3/7/2012		0 Not stated	Broadside
38	5597260	CHAPALA ST	DE LA GUERRA ST	4/5/2012		0 Not stated	Hit object
39	5578447	CHAPALA ST	CANON PERDIDO ST	4/6/2012		0 Not stated	Broadside
40	5616025	CHAPALA ST	CARRILLO ST	5/3/2012		0 Not stated	Side swipe
41	5748640	CARRILLO ST	CHAPALA ST	7/20/2012		0 Not stated	Side swipe
42	5795028	CARRILLO ST	CHAPALA ST	7/25/2012		0 Not stated	Broadside
43	5795887	CARRILLO ST	CHAPALA ST	8/24/2012	39	East	Rear end
44	5941425	CHAPALA ST	CANON PERDIDO ST	10/21/2012		0 Not stated	Auto-ped

Chapala Street - Carrillo to Victoria

Segment length in feet	1,551	
Number of collisions =	13	See below.
AADT	11,700	
Time period in years =	3	01/01/2010-12/31/2012
<b>Segment Collision rate =</b>	<b>3.45434</b>	ACC/MVM
2009 District 5 Urban 3LN =	1.59	ACC/MVM
2009 Statewide 3 yr 3LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE
	1	4548036 CHAPALA ST	CARRILLO ST	1/18/2010	0	Not stated	Side swipe
	2	4565457 CHAPALA ST	FIGUEROA ST	2/4/2010	0	Not stated	Broadside
	3	4656799 CHAPALA ST	CARRILLO ST	3/18/2010	0	North	Rear end
	4	4855130 CHAPALA ST	FIGUEROA ST	8/5/2010	0	Not stated	Auto-ped
	5	4860598 CHAPALA ST	ANAPAMU ST	8/13/2010	0	South	Side swipe
	6	4860588 CHAPALA ST	CARRILLO ST	8/19/2010	40	South	Rear end
	7	4901222 CHAPALA ST	ANAPAMU ST	9/27/2010	0	Not stated	Other CollType
	8	5081158 CHAPALA ST	CARRILLO ST	1/11/2011	0	Not stated	Rear end
	9	5221871 CHAPALA ST	CARRILLO ST	6/22/2011	42	South	Side swipe
	10	5220762 CHAPALA ST	CARRILLO ST	7/1/2011	30	South	Side swipe
	11	5266038 FIGUEROA ST	CHAPALA ST	7/22/2011	0	Not stated	Auto-ped
	12	5616025 CHAPALA ST	CARRILLO ST	5/3/2012	0	Not stated	Side swipe
	13	5799466 CHAPALA ST	ANAPAMU ST	8/19/2012	0	Not stated	Broadside



Chapala Street - Victoria to Mission

Segment length in feet	3,602	
Number of collisions =	13	See below.
AADT	4,980	
Time period in years =	3	01/01/2010-12/31/2012
<b>Segment Collision rate =</b>	<b>3.49454</b>	ACC/MVM
2009 District 5 Urban 3LN =	1.59	ACC/MVM
2009 Statewide 3 yr 3LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE
	1	4703850 CHAPALA ST	MISSION ST	4/30/2010	0	South	Not stated
	2	4805025 CHAPALA ST	SOLA ST	6/24/2010	0	Not stated	Broadside
	3	4855151 CHAPALA ST	SOLA ST	8/19/2010	0	Not stated	Side swipe
	4	5023596 CHAPALA ST	SOLA ST	12/18/2010	0	Not stated	Broadside
	5	5033865 CHAPALA ST	SOLA ST	12/29/2010	0	Not stated	Broadside
	6	5074787 CHAPALA ST	ISLAY ST	1/8/2011	28	North	Side swipe
	7	5124108 CHAPALA ST	MISSION ST	2/28/2011	50	North	Auto-ped
	8	5228525 MISSION ST	CHAPALA ST	5/28/2011	35	South	Head on
	9	5440200 CHAPALA ST	ISLAY ST	12/10/2011	0	Not stated	Broadside
	10	5544380 CHAPALA ST	MISSION ST	3/16/2012	0	Not stated	Hit object
	11	5574225 CHAPALA ST	SOLA ST	3/27/2012	0	Not stated	Broadside
	12	5822254 CHAPALA ST	ISLAY ST	8/25/2012	0	Not stated	Broadside
	13	5961207 CHAPALA ST	ISLAY ST	12/29/2012	0	Not stated	Broadside

Chapala Street - Mission to Alamar

Segment length in feet	3,574	
Number of collisions =	11	See below.
AADT	3,990	
Time period in years =	3	01/01/2010-12/31/2012
<b>Segment Collision rate =</b>	<b>3.71950</b>	ACC/MVM
2009 District 5 Urban 2LN =	1.59	ACC/MVM
2009 Statewide 3 yr 2LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE
	1	4678542 CHAPALA ST	ALAMAR AVE	4/13/2010	0	Not stated	Rear end
	2	4805002 CHAPALA ST	JUNIPERO ST	6/21/2010	36	North	Broadside
	3	4805006 CHAPALA ST	LOS OLIVOS ST	6/23/2010	0	Not stated	Rear end
	4	4979408 CHAPALA ST	LOS OLIVOS ST	11/13/2010	0	Not stated	Broadside
	5	5124108 CHAPALA ST	MISSION ST	2/28/2011	50	North	Auto-ped
	6	5292792 CHAPALA ST	PUEBLO ST	7/20/2011	15	North	Rear end
	7	5518535 CHAPALA ST	PUEBLO ST	2/7/2012	0	Not stated	Broadside
	8	5544380 CHAPALA ST	MISSION ST	3/16/2012	0	Not stated	Hit object
	9	5667053 CHAPALA ST	PUEBLO ST	5/30/2012	0	Not stated	Broadside
	10	5740972 CHAPALA ST	PUEBLO ST	7/18/2012	0	Not stated	Broadside
	11	5791555 CHAPALA ST	CONSTANCE AVE	8/11/2012	0	Not stated	Broadside