

ENGINEERING AND TRAFFIC SURVEY

CITY OF LOS ALAMITOS



KATELLA AVENUE

BLOOMFIELD ST TO LEXINGTON DR

DATE: 11/15/2013

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 11:15 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF NOEL
DATE OF SURVEY	11/15/2013
85th PERCENTILE	39.9 MPH
10 MPH PACE	30 - 39 MPH
PERCENT IN PACE	67.3 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	4
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.15 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	53,200
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - BLOOMFIELD / NOEL / LEXINGTON
CROSSWALKS	AT BLOOMFIELD (sch) / NOEL / LEXINGTON
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES (Heavy)
ON-STREET PARKING	YES
OTHER	MANY AREAS OF RED CURB / 2 HR PKNG (EB) 7am-6pm NO BLOCKING INTERSECTION AT PORTAL

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.50
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND BUS STOPS

ADJACENT LAND USE	BUSINESS / MEDICAL / COMMERCIAL / PARK / CHURCH / INDUSTRIAL (at Lexington)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph is within 4.9 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LOS ALAMITOS



KATELLA AVENUE

DATE: 11/15/2013

TIME: 10:45 AM - 11:15 AM

BLOOMFIELD ST TO LEXINGTON DR

SURVEY BY: C. BUENDIA

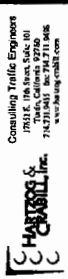
CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
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52						X 100.0%
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50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 99.3%
44						X 96.6%
43						X 93.2%
42						X 91.2%
41						X 89.8%
40						X 85.7%
39						X 81.0% }PACE ---85PCT
38						X 72.8% }PACE
37						X 65.3% }PACE
36						X 59.9% }PACE
35						X 53.1% }PACE
34						X 44.2% }PACE ---MEAN
33						X 35.4% }PACE
32						X 29.3% }PACE
31						X 27.9% }PACE
30						X 22.4% }PACE
29						X 13.6% ---15PCT
28						X 9.5%
27						X 6.1%
26						X 4.1%
25	X					X 1.4%
24	X					X 0.0%
23	X					X 0.0%
22	X					X 0.0%
21	X					X 0.0%
20	X					X 0.0%
19	X					X 0.0%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 39 MPH
 LOWER LIMIT 10 MPH PACE: 30 MPH
 PERCENT OVER PACE: 19.0 %
 PERCENT IN PACE: 67.3 %
 PERCENT UNDER PACE: 13.6 %

85th PERCENTILE SPEED: 39.9 MPH
 MEDIAN SPEED: 34.7 MPH
 15th PERCENTILE SPEED: 29.2 MPH

Radar Speed Survey Field Sheet



WEATHER: SUNNY DATE: 11/15/13
 ROAD CONDITION: DRY START TIME: 10:45 AM
 OBSERVER: Cathy Buendia END TIME: 11:15 AM ✓✓✓

AGENCY: CITY OF LOS ALAMITOS
 STREET: KATELLA AVENUE
 LOCATION: BLOOMFIELD ST. TO LEXINGTON DR

DIRECTION: EASTBOUND

MPH	NUMBER OF VEHICLES				TOTAL	CUMULATIVE TOTAL
	5	10	15	20		
60						
59						
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Handwritten data for Eastbound: 1, 0, 2, 2, 4, 5, 6, 9, 9, 5, 0, 4, 4, 2, 3

DIRECTION: WESTBOUND

MPH	NUMBER OF VEHICLES				TOTAL	CUMULATIVE TOTAL
	5	10	15	20		
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Handwritten data for Westbound: 3, 4, 3, 0, 4, 8, 6, 5, 7, 4, 4, 4, 4, 4, 3, 1

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____