



**CITY OF MANHATTAN BEACH
2013 ENGINEERING AND TRAFFIC SURVEY**

STREET 2ND STREET
FROM PECK AVENUE

SEGMENT NO. 53
TO AVIATION BOULEVARD

1 - ROADWAY CONDITIONS

Roadway Factors

Segment Length	0.50 miles
Roadway Width	36 feet
Number of Lanes	2
Center Median Type	Painted centerline
Traffic Control	Signals- Aviation Bl.; Stop Signs- Peck Av., Herrin St., Redondo Av.
Horizontal Alignment	Straight
Vertical Alignment	Hilly
Visibility	Limited driveway visibility due to on-street parking, narrow road
Lighting	Along north side of segment
Crosswalks?	Peck Av. (E,W); Aviation Bl. (E,W)

Shoulder/Roadside Factors

Adjacent Land Use	RS
On-Street Parking	Moderate to heavy
Bike Lanes?	No
Driveways?	Residential
Sidewalks?	Yes

2 - TRAFFIC VOLUMES

Average Daily Traffic	2,778 Vehicles per Day
Traffic Volume Count Date	06/07/2022
Pedestrian/Bicycle Traffic	Moderate school peds near Peck Ave.
Truck Traffic	Deliveries only

3 - COLLISION HISTORY

Number of Years Considered	4.00 Years
Expected Annual Collision Rate	1.29 Collisions per Million Vehicle Miles
Total Collisions (4-year period)	0 Collisions
Average Annual Collisions	0.00 Collisions per Year
Calculated Annual Collision Rate	0.00 Collisions per Million Vehicle Miles

4 - SPEED ZONING ANALYSIS

Speed Survey Day / Date / Time	06/23/2022
Number of Survey Samples	200 Vehicles
50th Percentile Speed	24 mph
85th Percentile Speed	28 mph
10-mph Pace	20-29 mph
% of Vehicles In Pace	85%
% of Vehicles Over/Under Pace	15%
Posted Speed Limit	25 mph
Speed Limit Justification	Narrow roadway, limited driveway visibility, heavy on-street parking
Recommended Speed Limit	25 mph

CERTIFICATION:

I, Erik Zandvliet, do hereby certify that this Engineering and Traffic Survey for the City of Manhattan Beach was performed under my supervision. I certify that I am both experienced in performing surveys of this type and am duly registered in the State of California as a professional engineer. The survey has been conducted in strict compliance with guidelines contained in the most current versions of the California Vehicle Code (CVC) and the California Department of Transportation Manual on Uniform Traffic Control Devices (MUTCD). Data contained in this report represents a true and accurate description of traffic conditions existing on Manhattan Beach streets.

Erik Zandvliet

TR #1775

State Registration No.

12/23/2022

Date

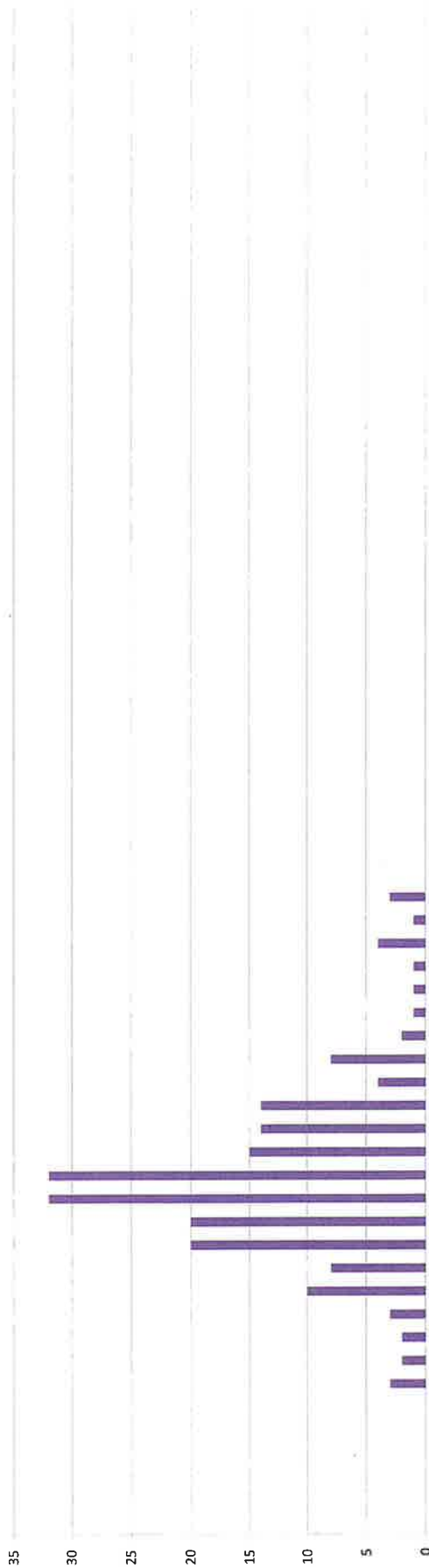
2nd Street (Peck Ave. to Aviation Bl.) - COMBINED DIRECTIONS

2nd Street (Peck Ave. to Aviation Bl.)
Manhattan Beach
13:30

PROJECT #
LOCATION #
DATE OF STUDY

2022132
053
ay, June 2

Thursday, June 23, 2022

[illegible]

SPEED STATISTICS

SAMPLE SIZE	200	15th PERCENTILE	22 MPH	10 MPH PACE	20 - 29
AVERAGE SPEED (MPH)	24.88	50th PERCENTILE	24 MPH	NUMBER IN PACE	169
SPEED RANGE (MPH)	18 - 37	85th PERCENTILE	28 MPH	PERCENT IN PACE	85%

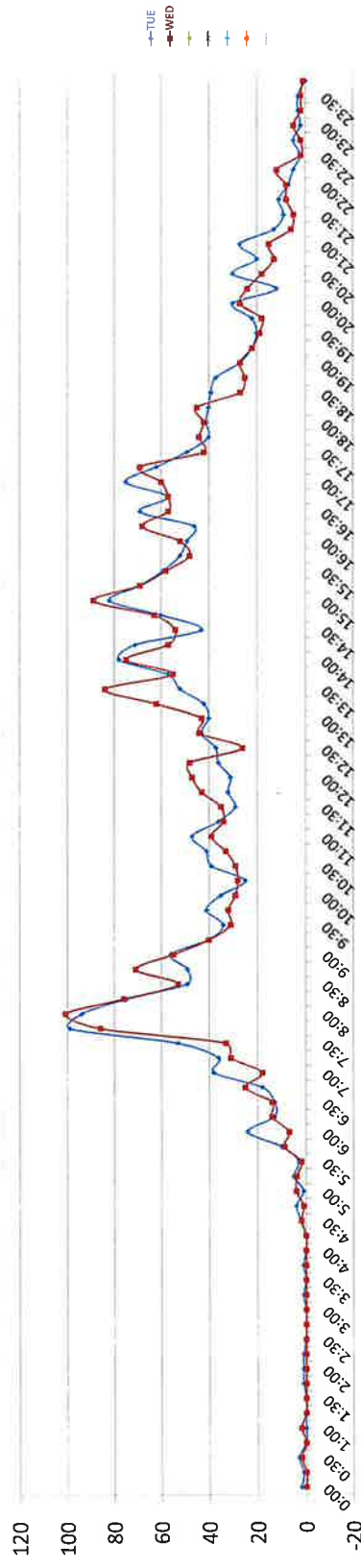
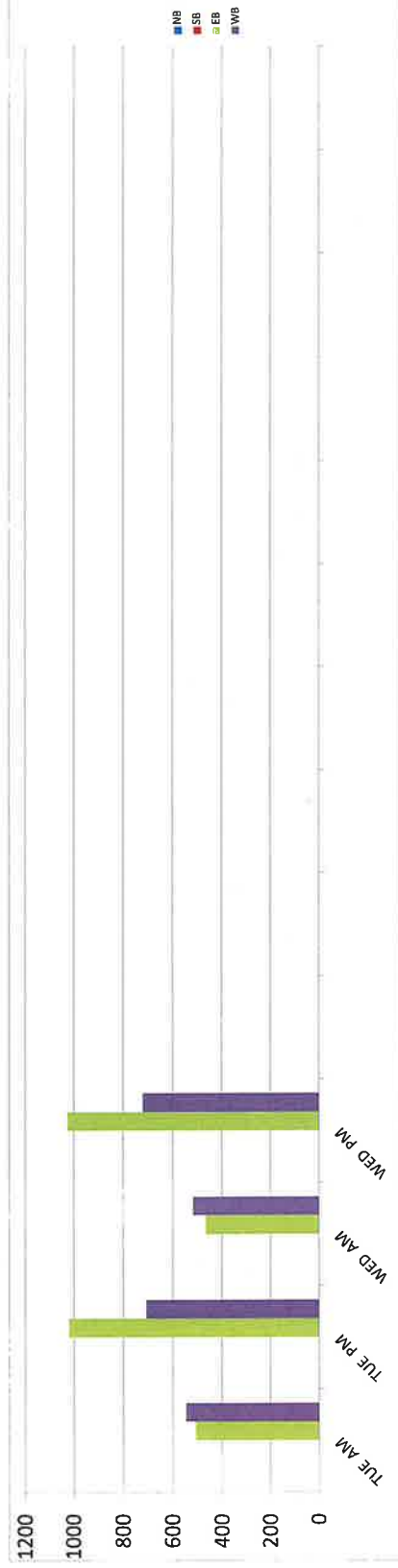
TRAFFIC CONDITIONS:	Normal	WEATHER CONDITIONS:	Sunny	ROAD CONDITIONS:	Normal	POSTED SPEED LIMIT:	25 MPH
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QUALITY TRAFFIC DATA, LLC
Phone: 877-852-4355 Fax: 877-877-3698 Info@QualityTrafficData.com

QUALITY TRAFFIC DATA, LLC

Average Daily Traffic Volumes Quality Traffic Data, LLC

QTD PROJ/LOC #:	2022132 - 053	GPS COORDINATES:	N/A
ON STREET:	2nd Street	START DATE:	Tuesday, June 07, 2022
CROSS STREETS:	Peck Ave. to Aviation Bl.	VICINITY:	Manhattan Beach



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Average Daily Traffic Volumes Quality Traffic Data, LLC

QTD PROJ/LOC #:	2022132 - 053	GPS COORDINATES:	N/A
ON STREET:	2nd Street	START DATE:	Wednesday, June 08, 2022
CROSS STREETS:	Peck Ave. to Aviation Bl.	VICINITY:	Manhattan Beach

AM COUNTS					PM COUNTS				
	NB	SB	EB	WB		NB	SB	EB	WB
00:00			0	0	12:00			32	15
00:15			0	0	12:15			31	17
00:30			2	0	12:30			15	11
00:45			0	2	12:45			23	101
01:00			1	1	13:00			20	23
01:15			0	0	13:15			18	44
01:30			0	0	13:30			61	23
01:45			0	1	13:45			30	129
02:00			0	0	14:00			50	25
02:15			0	0	14:15			34	23
02:30			0	0	14:30			29	25
02:45			0	0	14:45			36	149
03:00			0	0	15:00			61	28
03:15			0	0	15:15			43	26
03:30			0	0	15:30			28	30
03:45			0	0	15:45			22	154
04:00			0	0	16:00			39	13
04:15			0	0	16:15			41	27
04:30			1	1	16:30			38	19
04:45			1	2	16:45			46	164
05:00			4	0	17:00			42	18
05:15			4	0	17:15			43	26
05:30			2	0	17:30			24	18
05:45			4	14	17:45			21	130
06:00			4	3	18:00			19	23
06:15			10	4	18:15			28	17
06:30			5	9	18:30			14	13
06:45			10	29	18:45			15	76
07:00			6	12	19:00			11	16
07:15			8	23	19:15			14	8
07:30			10	23	19:30			10	9
07:45			41	65	19:45			11	46
08:00			37	64	20:00			13	14
08:15			50	26	20:15			12	12
08:30			27	26	20:30			11	7
08:45			32	146	20:45			8	44
09:00			21	34	21:00			7	8
09:15			15	25	21:15			5	1
09:30			9	22	21:30			1	4
09:45			18	63	21:45			4	17
10:00			15	14	22:00			5	3
10:15			20	8	22:15			2	10
10:30			15	14	22:30			1	1
10:45			15	65	22:45			2	10
11:00			19	20	23:00			3	2
11:15			19	15	23:15			0	2
11:30			21	14	23:30			1	1
11:45			20	79	23:45			1	5
TOTALS:			466	517	TOTALS:			1025	721

SPLIT	47.4%	52.6%	36.0%	SPLIT	58.7%	41.3%	64.0%
PEAK HOUR	07:45	07:45	07:45	PEAK HOUR	13:30	13:15	14:45
PH VOLUME	155	161	316	PH VOLUME	175	117	279
PHF	0.78	0.63	0.78	PHF	0.72	0.66	0.78

DAY'S TOTAL				
NB	SB	EB	WB	TOTAL
		1491	1238	2729



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