



Item No. 21 Town of Atherton

CITY COUNCIL STAFF REPORT – REGULAR AGENDA

**TO: HONORABLE MAYOR AND CITY COUNCIL
GEORGE RODERICKS, CITY MANAGER**

FROM: PUBLIC WORKS DIRECTOR, ROBERT OVADIA

DATE: OCTOBER 21, 2020

**SUBJECT: ESTABLISH SPEED LIMITS – ALAMEDA DE LAS PULGAS, CAMINO
AL LAGO, ENCINAL AVENUE, ISABELLA AVENUE, MARSH ROAD,
MIDDLEFIELD ROAD, PARK LANE, VALPARAISO AVENUE,
WATKINS AVENUE**

RECOMMENDATION

Adopt a resolution declaring the following speed limits based upon the Engineering and Traffic Surveys and other related information:

Alameda De Las Pulgas– between Camino Al Lago and Stockbridge Ave	30 mph
Camino Al Lago– between Alameda De Las Pulgas and End of Street	25 mph
Encinal Avenue – between Middlefield Rd and Laurel St	25 mph
Isabella Avenue– between El Camino Real and Elena Ave	25 mph
Marsh Road– between Middlefield Rd and Fair Oaks Ave	30 mph
Middlefield Road– between City Limits and Ringwood Ave	30 mph
Park Lane– between Elena Ave and Valparaiso Ave	25 mph
Valparaiso Avenue– between El Camino Real and City Limits	30 mph
Watkins Avenue – between El Camino Real and Middlefield Rd	25 mph

BACKGROUND/ANALYSIS

Cities and Counties in California are required to follow the California Vehicle Code (CVC) Section 22358(a) to establish speed limits within their jurisdictions. Following the CVC allows local law enforcement to use radar equipment to enforce the speed limit. Speed limits cannot be set arbitrarily and must be justified by an Engineering and Traffic Survey (E&TS) in accordance with guidelines set by the CVC and the California Uniform Manual on Traffic Control Devices (CAMTCD).

Atherton Municipal Code Section 10.04.010 provides the authority to the City Council to adopt, by resolution, such rules and regulations as it finds necessary for the governing of traffic and parking on the various streets and highways within and under the jurisdiction of the Town and subject to the authority granted to local legislative bodies as set forth in the California Vehicle Code. Recent engineering and traffic surveys were performed for the following road segments and their prevailing speeds (85th percentile) were determined:

<u>Street</u>	<u>85th Percentile Speed</u>
Alameda De Las Pulgas– between Camino Al Lago and Stockbridge Ave	34 mph
Camino Al Lago– between Alameda De Las Pulgas and End of Street	28 mph
Encinal Avenue – between Middlefield Rd and Laurel St	29 mpg
Isabella Avenue– between El Camino Real and Elena Ave	28 mph
Marsh Road– between Middlefield Rd and Fair Oaks Ave	34 mph
Middlefield Road– between City Limits and Ringwood Ave	33 mph
Park Lane– between Elena Ave and Valparaiso Ave	28 mph
Watkins Avenue – between El Camino Real and Middlefield Rd	29 mph

Valparaiso Avenue is a shared roadway with the City of Menlo Park. In November of 2019, the City of Menlo Park prepared an Engineering and Traffic Survey for Valparaiso Avenue between Cotton Street and El Camino Real which encompasses the shared portion with Atherton. Staff has reviewed the Menlo Park E & TS for Valparaiso Avenue and concurs with its results:

<u>Street</u>	<u>85th Percentile Speed</u>
Valparaiso Avenue – between Hesketh Dr. and Politzer Ave	37 mph
Valparaiso Avenue – between Crane St. and Chateau Dr.	32 mph

Per the California Manual of Uniform Traffic Control Devices, the speed limit should normally be established at the closest 5 mph increment to the 85th percentile speed. However, in matching existing conditions with the traffic safety needs of the community, engineering judgment may indicate the need for a further reduction of 5 mph if existing site conditions such as residential driveways, limited site distance, or other land use factors are identified as part of the radar speed survey.

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 local authority may decide to instead round down the speed limit to the lower five miles per hour increment, but then shall not reduce the speed limit any further for any reason. Accordingly, the following speed limits are recommended for the streets studied:

<u>Street</u>	<u>Existing Speed Limit</u>	<u>Recommended Speed Limit</u>
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Alameda de las Pulgas – between Camino Al Lago and Stockbridge	30 mph	30 mph
Camino al Lago – between Alameda de las Pulgas and End of Street	25 mph	25 mph
Encinal Avenue – between Middlefield Rd. and Laurel St.	25 mph	25 mph
Isabella Avenue – between El Camino Real and Elena Ave.	25 mph	25 mph
Marsh Road – between Middlefield Rd. and Fair Oaks Ave.	30 mph	30 mph
Middlefield Road – between Town Limits and Ringwood Ave.	30 mph	30 mph
Park Lane – between Elena Ave. and Valparaiso Ave.	25 mph	25 mph
Watkins Avenue – between El Camino Real and Middlefield Rd.	25 mph	25 mph

It is recommended that the Town adopt the same speed limit as Menlo Park for Valparaiso Avenue for consistency for drivers and enforcement. The recommended speed limit for Valparaiso Avenue is as follows:

<u>Street</u>	<u>Existing Speed Limit</u>	<u>Recommended Speed Limit</u>
Valparaiso Avenue – between El Camino Real and Town Limits	35 mph	30 mph

Valparaiso is the only segment where the speed limit is recommended for reduction.

POLICY ISSUES

There are no significant policy issues related to this Report.

FISCAL IMPACT

Limited impacts. The recommended speed limits are the same as the existing posted speed limits for all streets with the exception of Valparaiso Avenue. New speed limit signs will be required along Valparaiso Avenue. Town staff will coordinate with the City of Menlo Park to have the speed limit signs changed. There are sufficient funds in the existing Public Works operating budget to cover the cost of the new signs.

PUBLIC NOTICE

Public notification was achieved by posting the agenda, with this agenda item being listed, at least 72 hours prior to the meeting in print and electronically. Information about the project is also

disseminated via the Town’s electronic News Flash and Atherton Online. There are approximately 1,200 subscribers to the Town’s electronic News Flash publications. Subscribers include residents as well as stakeholders – to include, but be not limited to, media outlets, school districts, Menlo Park Fire District, service provides (water, power, and sewer), and regional elected officials.

COMMISSION/COMMITTEE FEEDBACK/REFERRAL

This item ___ has or X has not been before a Town Committee or Commission.

- Audit/Finance Committee (meets every other month)
- Bicycle/Pedestrian Committee (meets as needed)
- Civic Center Advisory Committee (meets as needed)
- Environmental Programs Committee (meets every other month)
- Park and Recreation Committee (meets each month)
- Planning Commission (meets each month)
- Rail Committee (meets every other month)
- Transportation Committee (meets every other month)

ATTACHMENTS

- Attachment 1 - Engineering & Traffic Surveys – Various Streets
- Attachment 2 - City of Menlo Park - Engineering & Traffic Survey - Valparaiso Ave.
- Attachment 3 - Resolution 20-XX

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: Alameda De Las Pulgas

LIMITS: Camino Al Lago to Stockbridge Ave

SURVEY DATE: 8/25/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
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52	
51	
50	
49	
48	
47	
46	
45	
44	
43	1
42	1
41	
40	1
39	2
38	3
37	2
36	2
35	2
34	9
33	14
32	15
31	12
30	7
29	10
28	6
27	4
26	7
25	5
24	1
23	
22	
21	
20	
TOTAL	104

POSTED SPEED LIMIT:

30

WEATHER: Hazy

OBSERVER:

DY

85th PERCENTILE	34 MPH	AVERAGE SPEED	31.3 MPH
10 MPH PACE SPEED	FROM 25 MPH	TO 34 MPH	
% UNDER PACE	1.0%	% IN PACE	85.6%
		% OVER PACE	13.5%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input checked="" type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 4540
 WIDTH (FEET): 36'
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: Yes

AVERAGE DAILY TRAFFIC	COLLISION HISTORY	2017	to	2019
10960	NUMBER OF COLLISIONS			10
	COLLISIONS DUE TO SPEEDING			5

COMMENTS:
 The 85th percentile speed indicates a speed limit of 30 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed: 
 Robert Ovadia, P.E.
 Atherton Public Works Director

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: Camino Al Lago

LIMITS: Alameda De Las Pulgas to End of Street

SURVEY DATE: 9/1/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
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52	
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48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	
36	
35	
34	1
33	1
32	1
31	2
30	1
29	1
28	4
27	9
26	7
25	8
24	6
23	4
22	2
21	1
20	
TOTAL	48

POSTED SPEED LIMIT:

25 WEATHER: Hazy OBSERVER: DY

85th PERCENTILE	28 MPH	AVERAGE SPEED	26.2 MPH
10 MPH PACE SPEED	FROM 22 MPH	TO	31 MPH
% UNDER PACE	2.1%	% IN PACE	91.7%
		% OVER PACE	6.3%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

- SINGLE FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- COMMERCIAL
- OFFICE
- INDUSTRIAL
- SCHOOL
- PARK
- PLACE OF WORSHIP

ON STREET PARKING

- HEAVY
- MODERATE
- LIGHT
- NO PARKING

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 4140
 WIDTH (FEET) 20-24' varies
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES None

AVERAGE DAILY TRAFFIC 530	COLLISION HISTORY	2017	to	2019
	NUMBER OF COLLISIONS			2
	COLLISIONS DUE TO SPEEDING			1

COMMENTS:
 The 85th percentile speed indicates a speed limit of 25 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____
 Robert Ovadia, P.E.

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: **Encinal Avenue**

LIMITS: Middlefield Rd to Laurel St

SURVEY DATE: 8/25/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:
69		25
68		
67		
66		
65		
64		
63		
62		
61		
60		
59		
58		
57		
56		
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51		
50		
49		
48		
47		
46		
45		
44		
43		
42		
41		
40		
39		
38		
37	1	
36	1	
35	1	
34	2	
33	1	
32	2	
31	2	
30	3	
29	6	
28	16	
27	19	
26	15	
25	11	
24	9	
23	7	
22	5	
21		
20		
TOTAL	100	

85th PERCENTILE	29 MPH	AVERAGE SPEED	26.8 MPH
10 MPH PACE SPEED	FROM 22 MPH	TO	31 MPH
% UNDER PACE	0.0%	% IN PACE	93.0%
		% OVER PACE	7.0%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input checked="" type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input checked="" type="checkbox"/>
NO PARKING	<input type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 2000
 WIDTH (FEET): 34
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: Yes

AVERAGE DAILY TRAFFIC 2520	COLLISION HISTORY	2017	to	2019
	NUMBER OF COLLISIONS			0
	COLLISIONS DUE TO SPEEDING			0

COMMENTS:
 The 85th percentile speed indicates a speed limit of 25 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____
 Robert Ovadia, P.E.
 Atherton Public Works Director

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: **Isabella Avenue**

LIMITS: El Camino Real to Elena Ave

SURVEY DATE: 9/1/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	
53	
52	
51	
50	
49	
48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	
36	
35	
34	
33	1
32	2
31	2
30	1
29	4
28	10
27	8
26	16
25	12
24	5
23	3
22	
21	
20	
TOTAL	64

POSTED SPEED LIMIT:

25

WEATHER: Hazy

OBSERVER:

DY

85th PERCENTILE	28 MPH	AVERAGE SPEED	26.7 MPH
10 MPH PACE SPEED	FROM 23 MPH	TO 32 MPH	
% UNDER PACE	0.0%	% IN PACE	98.4%
		% OVER PACE	1.6%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL

MULTI-FAMILY RESIDENTIAL

COMMERCIAL

OFFICE

INDUSTRIAL

SCHOOL

PARK

PLACE OF WORSHIP

ON STREET PARKING

HEAVY

MODERATE

LIGHT

NO PARKING

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 4650

WIDTH (FEET) 20-24 varies

MEDIAN: None

NUMBER OF LANES: 2

BIKE LANES None

AVERAGE DAILY TRAFFIC	COLLISION HISTORY	2017	to	2019
530	NUMBER OF COLLISIONS			0
	COLLISIONS DUE TO SPEEDING			0

COMMENTS:
 The 85th percentile speed indicates a speed limit of 25 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____
 Robert Ovadia, P.E.

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: **Marsh Road**

LIMITS: Middlefield Rd and Fair Oaks Ave

SURVEY DATE: 8/25/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
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61	
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59	
58	
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56	
55	
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53	
52	
51	
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49	
48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	1
37	4
36	3
35	5
34	7
33	14
32	15
31	13
30	13
29	9
28	12
27	7
26	8
25	5
24	2
23	
22	
21	
20	

POSTED SPEED LIMIT: 30

WEATHER: Hazy

OBSERVER: DY

85th PERCENTILE	34 MPH	AVERAGE SPEED	30.6 MPH
10 MPH PACE SPEED	FROM 25 MPH	TO 34 MPH	
% UNDER PACE	1.7%	% IN PACE	87.3%
		% OVER PACE	11.0%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input checked="" type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT-north side	<input checked="" type="checkbox"/>
NO PARKING-south side	<input checked="" type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 1900
 WIDTH (FEET): 25
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: None

AVERAGE DAILY TRAFFIC	COLLISION HISTORY	2017	to	2019
19020	NUMBER OF COLLISIONS			13
	COLLISIONS DUE TO SPEEDING			9

COMMENTS:
 The 85th percentile speed indicates a speed limit of 30 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____
 Robert Ovadia, P.E.
 Atherton Public Works Director

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: Middlefield Road

LIMITS: Ringwood Ave to City Limits

SURVEY DATE: 8/25/2020

VEHICLE SPEED (MPH)
TOTAL VEHICLE
POSTED SPEED LIMIT:

30 WEATHER: Hazy OBSERVER: DY

85th PERCENTILE	33 MPH	AVERAGE SPEED	30.1 MPH
10 MPH PACE SPEED	FROM 25 MPH	TO 34 MPH	
% UNDER PACE	2.4%	% IN PACE	91.2%
		% OVER PACE	6.4%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input checked="" type="checkbox"/>
PLACE OF WORSHIP	<input checked="" type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 8600
 WIDTH (FEET): 36
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: Yes

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44	
43	
42	
41	
40	
39	
38	
37	1
36	3
35	4
34	5
33	11
32	16
31	17
30	19
29	14
28	12
27	7
26	8
25	5
24	3
23	
22	
21	
20	
TOTAL	125

AVERAGE DAILY TRAFFIC 11740	COLLISION HISTORY	2017	to	2019
	NUMBER OF COLLISIONS	105		
	COLLISIONS DUE TO SPEEDING	36		

COMMENTS:
 The 85th percentile speed indicates a speed limit of 30 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____
 Robert Ovadia, P.E.
 Atherton Public Works Director

Date: 08/27/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: **Park Lane**

LIMITS: Elena Ave and Valparaiso Ave

SURVEY DATE: 9/1/2020

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
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47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	
36	
35	
34	1
33	
32	1
31	1
30	1
29	1
28	4
27	8
26	9
25	9
24	7
23	6
22	2
21	1
20	
TOTAL	51

POSTED SPEED LIMIT:

25

WEATHER:

Hazy

OBSERVER:

DY

85th PERCENTILE	28 MPH	AVERAGE SPEED	25.8 MPH
10 MPH PACE SPEED	FROM 21 MPH	TO 30 MPH	
% UNDER PACE	0.0%	% IN PACE	94.1%
		% OVER PACE	5.9%

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input checked="" type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input checked="" type="checkbox"/>
NO PARKING	<input type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 5100
 WIDTH (FEET) 20-24 varies
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: None

AVERAGE DAILY TRAFFIC 480	COLLISION HISTORY	2017	to	2019
	NUMBER OF COLLISIONS			1
	COLLISIONS DUE TO SPEEDING			0

COMMENTS:
 The 85th percentile speed indicates a speed limit of 25 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  Robert Ovadia, P.E.

Date: 10/7/20

Town of Atherton
 Department of Public Works
 150 Watkins Avenue - Atherton, California 94027

Radar Speed Survey

SURVEY LOCATION: **Watkins Avenue**

LIMITS: Middlefield Rd to El Camino Real

SURVEY DATE: 8/25/2020

VEHICLE SPEED (MPH) **TOTAL VEHICLE** **POSTED SPEED LIMIT:**

25 **WEATHER:** Hazy **OBSERVER:** DY

85th PERCENTILE	29 MPH	AVERAGE SPEED	26.8 MPH
10 MPH PACE SPEED	FROM 21 MPH	TO 30 MPH	
% UNDER PACE	0.0%	% IN PACE	89.3%
		% OVER PACE	10.7%

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51	
50	
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48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	1
36	1
35	1
34	2
33	1
32	2
31	3
30	3
29	9
28	17
27	15
26	13
25	11
24	9
23	6
22	5
21	4
20	
TOTAL	103

ROADSIDE CONDITIONS

PREDOMINANT LAND USE

SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input checked="" type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>

ON STREET PARKING

HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>

ROADWAY GEOMETRY

SEGMENT LENGTH (FEET): 3200
 WIDTH (FEET): 24
 MEDIAN: None
 NUMBER OF LANES: 2
 BIKE LANES: None

AVERAGE DAILY TRAFFIC 3010	COLLISION HISTORY	2017	to	2019
	NUMBER OF COLLISIONS			2
	COLLISIONS DUE TO SPEEDING			1

COMMENTS:
 The 85th percentile speed indicates a speed limit of 25 mph, therefore no change in the existing speed limit is recommended.

I certify this document is true and accurate.

Signed:  _____

Date: 10/7/20

Robert Ovadia, P.E.
 Atherton Public Works Director

CITY OF MENLO PARK

ENGINEERING AND TRAFFIC SURVEY

39

STREET: Valparaiso Avenue
FROM: City Limits

SURVEY DATE: 11/25/2019
TO: Cotton Street

SPEED DATA

Location of Speed Survey	Valparaiso Ave b/w Hesketh Dr & Politzer Ave	Posted Speed Limit	35 mph
Time of Speed Survey	3:28 PM - 3:49 PM	Recommended Speed Limit	30 mph
50th Percentile Speed (Mean Speed)	33.1 mph	Speed Limit Change	Yes
85th Percentile Speed	36.7 mph	Speed Justification	85th-percentile speed downgraded due to the location of uncontrolled crosswalk and fronting residential properties.
10 mph Pace Speed	30-39 mph		
Percentage of Vehicles in Pace	83.5%		
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	5
Collision Rate (ACC/MVM)	0.75
Expected Collisions (ACC/MVM)	1.36

TRAFFIC FACTORS

Average Daily Traffic	11,981
Type of Traffic Control	None
Pedestrian Traffic	Low
Truck Traffic	Low

ROADWAY CHARACTERISTICS

Length of Segment	2690'
Width	38'
Number of Lanes	NB - 1 SB - 1
Street Classification	Avenue-Neighborhood
Divided Median?	None
Designated Bike Route?	Yes
Bike Lanes?	Yes
Uncontrolled Crosswalks?	Elder Ave
On-Street Parking?	Some - along wet side
Sidewalks?	None
Driveways?	Many
Vertical Curve	None
Horizontal Curve	None
Visibility	Good
Pavement Condition	Good
Adjacent Land Use	Fronting and non-fronting residential

COMMENTS

The 85th-percentile speed of 36.7 mph indicates a 35 mph speed limit. The 10 mph pace ranges from 30 mph to 39 mph and the suggested speed limit is within this range. The collision rate for this segment is below the expected rate. Due to the location of uncontrolled crosswalk and fronting residential properties, a downgrading of the speed limit by 5 mph is justified. Therefore, it is recommended that the posted speed limit decrease to 30 mph.



Nikita. A. Petrov
RCE# 80570
Exp. 03/31/2021

CITY OF MENLO PARK

ENGINEERING AND TRAFFIC SURVEY

40

STREET: Valparaiso Avenue
FROM: Cotton Street

SURVEY DATE: 11/21/2019
TO: El Camino Real

SPEED DATA

Location of Speed Survey	Valparaiso Ave B/W Crane St & Chateau Dr	Posted Speed Limit	35 mph
Time of Speed Survey	12:49 PM - 1:10 PM	Recommended Speed Limit	30 mph
50th Percentile Speed (Mean Speed)	28.6 mph	Speed Limit Change	Yes
85th Percentile Speed	32.1 mph	Speed Justification	85th-percentile speed
10 mph Pace Speed	24-33 mph		
Percentage of Vehicles in Pace	85.5%		
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	8
Collision Rate (ACC/MVM)	0.58
Expected Collisions (ACC/MVM)	1.36

TRAFFIC FACTORS

Average Daily Traffic	13,411
Type of Traffic Control	Traffic signal at El Camino Real and University Dr
Pedestrian Traffic	Low
Truck Traffic	Low

ROADWAY CHARACTERISTICS

Length of Segment	5000'
Width	38'-44'
Number of Lanes	NB - 1 SB - 1
Street Classification	Avenue-Neighborhood
Divided Median?	None
Designated Bike Route?	Yes
Bike Lanes?	Yes
Uncontrolled Crosswalks?	At Elena Ave, Campbell Center Driveway, and Hoover St
On-Street Parking?	Yes - Some parking on east side N/O University Dr
Sidewalks?	Yes - discontinuous
Driveways?	Many
Vertical Curve	None
Horizontal Curve	None
Visibility	Good
Pavement Condition	Good
Adjacent Land Use	Fronting and non-fronting residential, school, church and park

COMMENTS

The 85th-percentile speed of 32.1 mph indicates a 30 mph speed limit. The 10 mph pace ranges from 24 mph to 33 mph and the suggested speed limit is within this range. The collision rate for this segment is below the expected rate. Based on the 85th percentile speed, it is recommended that the posted speed limit decrease to 30 mph.



Nikita A. Petrov
RCE# 80570
Exp. 03/31/2021

RESOLUTION 20-XX

A Resolution of the City Council of the Town of Atherton Establishing the Speed Limit on the Following Roadways:

- Alameda De Las Pulgas– between Camino Al Lago and Stockbridge Ave 30 mph
- Camino Al Lago– between Alameda De Las Pulgas and End of Street 25 mph
- Encinal Avenue – between Middlefield Rd and Laurel St 25 mph
- Isabella Avenue– between El Camino Real and Elena Ave 25 mph
- Marsh Road– between Middlefield Rd and Fair Oaks Ave 30 mph
- Middlefield Road– between City Limits and Ringwood Ave 30 mph
- Park Lane– between Elena Ave and Valparaiso Ave 25 mph
- Valparaiso Avenue– between El Camino Real and City Limits 30 mph
- Watkins Avenue – between El Camino Real and Middlefield Rd 25 mph

The City Council of the Town of Atherton hereby resolves as follows:

Section 1. Findings

On October 21, 2020, the City Council of the Town of Atherton reviewed and considered the Engineering and Traffic Surveys and related information.

Based upon the review of the Surveys and related information, the City Council finds the prevailing or 85th percentile speeds of the vehicles are:

<u>Street</u>	<u>85th Percentile Speed</u>
Alameda De Las Pulgas– between Camino Al Lago and Stockbridge Ave	34 mph
Camino Al Lago– between Alameda De Las Pulgas and End of Street	28 mph
Encinal Avenue – between Middlefield Rd and Laurel St	29 mph
Isabella Avenue– between El Camino Real and Elena Ave	28 mph
Marsh Road– between Middlefield Rd and Fair Oaks Ave	34 mph
Middlefield Road– between City Limits and Ringwood Ave	33 mph
Park Lane– between Elena Ave and Valparaiso Ave	28 mph
Valparaiso Avenue– between El Camino Real and City Limits	37 mph
Watkins Avenue – between El Camino Real and Middlefield Rd	29 mph

Based on the review of the Surveys, the City Council finds that the most appropriate speed limit to facilitate the orderly movement of traffic that is reasonable and safe for the above-listed streets is as set forth in Section 2.

Section 2: Declaration of Speed Limits

Based on findings set forth in Section 1 above, the City Council hereby declares the following speed limits:

Alameda De Las Pulgas– between Camino Al Lago and Stockbridge Ave	30 mph
Camino Al Lago– between Alameda De Las Pulgas and End of Street	25 mph
Encinal Avenue – between Middlefield Rd and Laurel St	25 mph
Isabella Avenue– between El Camino Real and Elena Ave	25 mph
Marsh Road– between Middlefield Rd and Fair Oaks Ave	30 mph
Middlefield Road– between City Limits and Ringwood Ave	30 mph
Park Lane– between Elena Ave and Valparaiso Ave	25 mph
Valparaiso Avenue– between El Camino Real and City Limits	30 mph
Watkins Avenue – between El Camino Real and Middlefield Rd	25 mph

I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the Town of Atherton at a regular meeting thereof held on the 21st day of October, 2020, by the following vote.

AYES: Council Members:
 NOES: Council Members:
 ABSENT: Council Members:
 ABSTAIN: Council Members:

 Rick DeGolia, MAYOR
 Town of Atherton

ATTEST:

 Anthony Suber, City Clerk

APPROVED AS TO FORM:

 Mona G. Ebrahimi, City Attorney