



## Item No. 20 Town of Atherton

### CITY COUNCIL STAFF REPORT – CONSENT AGENDA

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

**FROM: MICHAEL KASHIWAGI, COMMUNITY SERVICES DIRECTOR**

**DATE: SEPTEMBER 20, 2017**

**SUBJECT: ESTABLISH SPEED LIMITS – ALEJANDRA LANE, FAIR OAKS LANE,  
JAMES AVENUE, AND WALSH ROAD**

#### **RECOMMENDATION**

Staff recommends City Council declares the following speed limits based upon the engineering and speed studies and other related information:

Alejandra Avenue – between El Camino Real and Emilie Ave	25 mph
Fair Oaks Lane – between Middlefield Rd and El Camino Real	25 mph
James Avenue – between Middlefield Rd and Irving Ave	25 mph
Walsh Road – between Alameda de las Pulgas and Valley Rd	30 mph

#### **DISCUSSION**

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. Recent traffic speed surveys were performed for the following road segments and their prevailing speeds (85<sup>th</sup> percentile) were determined:

<b><u>Street</u></b>	<b><u>85<sup>th</sup> Percentile Speed</u></b>
Alejandra Avenue – between El Camino Real and Emilie Ave	31 mph
Fair Oaks Lane – between Middlefield Rd and El Camino Real	32 mph
James Avenue – between Middlefield Rd and Irving Ave	30 mph
Walsh Road – between Alameda de las Pulgas and Valley Rd	34 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 85<sup>th</sup> 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. Accordingly, the following speed limits are recommended for the streets studied:

<u>Street</u>	<u>Recommended Speed Limit</u>	<u>Existing Speed Limit</u>
Alejandra Ave – b/t El Camino Real and Emilie Ave	25 mph	25 mph
Fair Oaks Ln – b/t Middlefield Rd and El Camino Real	25 mph	25 mph
James Avenue – b/t Middlefield Rd and Irving Ave	25 mph	25 mph
Walsh Road – b/t Alameda de las Pulgas and Valley Rd	30 mph	30 mph

### **FISCAL IMPACT**

No impacts. The recommended speed limits are the same as the existing posted speed limits; therefore, no new signs are required.

### **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 providers (water, power, and sewer), and regional elected officials.

### **ATTACHMENTS**

- Engineering Speed Surveys
- Resolution

**Town of Atherton**  
 Department of Public Works  
 93 Station Lane - Atherton, California 94027

**Radar Speed Survey**

**SURVEY LOCATION:** Walsh Road

**SURVEY DATE:** 7/24/2017

**LIMITS:** Between Alameda de las Pulgas and End of Street

**TIME:** 11:30 AM

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

30      **WEATHER:** Dry & Clear

**OBSERVER:** DSY

<b>85th PERCENTILE</b>	34 MPH	<b>AVERAGE SPEED</b>	30.6 MPH
<b>10 MPH PACE SPEED</b>	FROM 25 MPH	TO 34 MPH	
<b>% UNDER PACE</b>	2.7%	<b>% IN PACE</b>	86.6%
		<b>% OVER PACE</b>	10.7%

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38	1
37	3
36	2
35	5
34	10
33	10
32	15
31	13
30	9
29	10
28	11
27	8
26	6
25	5
24	2
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22	1
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<b>8</b>	<b>112</b>

**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 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"/>

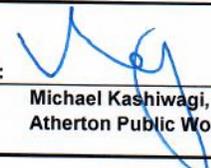
**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 5675'  
 WIDTH (FEET): 30'  
 MEDIAN: No  
 NUMBER OF LANES: 2  
 BIKE LANES: No

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	2015	2016
	NUMBER OF COLLISIONS	0	2
	COLLISIONS DUE TO SPEEDING	0	0

**COMMENTS:**      **Recommendation-** The 85th percentile speed indicates a speed limit of 30 MPH using the closest lower 5 mph limit. Per CVC 21400 (b) no additional reduction is requested.

**Recommended Speed Limit: 30 MPH**

**Signed:**       **Date:** 8-29-2017

Michael Kashiwagi, P.E.  
 Atherton Public Works Director

**Town of Atherton**  
 Department of Public Works  
 93 Station Lane - Atherton, California 94027

**Radar Speed Survey**

**SURVEY LOCATION:** Alejandra Avenue

**SURVEY DATE:** 7/24/2017

**LIMITS:** Between Emilie Avenue and El Camino Real

**TIME:** 10:45 AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:
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35	1	
34	2	
33	3	
32	3	
31	10	
30	8	
29	13	
28	15	
27	15	
26	9	
25	10	
24	8	
23	2	
22	2	
21	1	
20	2	
<b>8</b>	<b>104</b>	

85th PERCENTILE	31 MPH	AVERAGE SPEED	27.7 MPH
10 MPH PACE SPEED	FROM 24 MPH	TO	33 MPH
% UNDER PACE	6.7%	% IN PACE	90.4%
		% OVER PACE	2.9%

**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 checked="" type="checkbox"/>

**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 2280'  
 WIDTH (FEET): 22'  
 MEDIAN: No  
 NUMBER OF LANES: 2  
 BIKE LANES: No

AVERAGE DAILY TRAFFIC	COLLISION HISTORY	
	2015	2016
NUMBER OF COLLISIONS	1	0
COLLISIONS DUE TO SPEEDING	0	0

**COMMENTS:** **Recommendation-** The 85th percentile speed indicates a speed limit of 30 MPH. However, no change in speed limit is recommended given: 1) Driver ability to see vehicles entering from side streets and driveways is obstructed by foliage and blind curves; 2) Pedestrian traffic in the roadway due to lack of sidewalks

**Recommended Speed Limit: 25 MPH**

Signed:  Date: 8-29-2017

Michael Kashiwagi, P.E.  
Atherton Public Works Director

**Town of Atherton**  
 Department of Public Works  
 93 Station Lane - Atherton, California 94027

**Radar Speed Survey**

**SURVEY LOCATION:** Fair Oaks Lane

**SURVEY DATE:** 7/24/2017

**LIMITS:** Between Middlefield Road and El Camino Real

**TIME:** 9:45 AM

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

25      **WEATHER:** Dry & Clear      **OBSERVER:** DSY

<b>85th PERCENTILE</b>	32 MPH	<b>AVERAGE SPEED</b>	28.8 MPH
<b>10 MPH PACE SPEED</b>	FROM 25 MPH	TO 34 MPH	
<b>% UNDER PACE</b>	6.3%	<b>% IN PACE</b>	86.6%
		<b>% OVER PACE</b>	7.1%

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38	1
37	2
36	3
35	2
34	5
33	2
32	4
31	7
30	18
29	20
28	16
27	20
26	12
25	6
24	2
23	1
22	4
21	
20	1
8	127

**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 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"/>

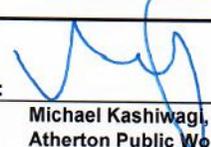
**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 2100'  
 WIDTH (FEET): 24'  
 MEDIAN: No  
 NUMBER OF LANES: 2  
 BIKE LANES: No

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	
	2015	2016
	NUMBER OF COLLISIONS	3
	COLLISIONS DUE TO SPEEDING	1

**COMMENTS:**      **Recommendation-** The 85th percentile speed indicates a speed limit of 30 MPH. However, no change in speed limit is recommended given: 1) Driver ability to see vehicles entering from side streets and driveways is obstructed by foliage and blind curves; 2) Pedestrian traffic in the roadway due to lack of sidewalks

**Recommended Speed Limit: 25 MPH**

**Signed:**       **Date:** 8-29-2017

Michael Kashiwagi, P.E.  
Atherton Public Works Director

**Town of Atherton**  
 Department of Public Works  
 93 Station Lane - Atherton, California 94027

**Radar Speed Survey**

**SURVEY LOCATION:** James Avenue

**SURVEY DATE:** 7/24/2017

**LIMITS:** Between Middlefield Road and Irving Avenue

**TIME:** 9:00 AM

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

25      **WEATHER:** Dry & Clear      **OBSERVER:** DSY

<b>85th PERCENTILE</b>	30 MPH	<b>AVERAGE SPEED</b>	27.1 MPH
<b>10 MPH PACE SPEED</b>	FROM 22 MPH	TO 31 MPH	
<b>% UNDER PACE</b>	1.9%	<b>% IN PACE</b>	89.3%
		<b>% OVER PACE</b>	8.7%

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37	
36	2
35	1
34	1
33	5
32	3
31	7
30	13
29	15
28	10
27	15
26	11
25	8
24	5
23	5
22	1
21	1
20	1
<b>8</b>	<b>103</b>

**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 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"/>

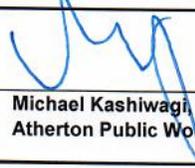
**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 4350'  
 WIDTH (FEET): 26'  
 MEDIAN: No  
 NUMBER OF LANES: 2  
 BIKE LANES: No

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	
	2015	2016
	NUMBER OF COLLISIONS	1
	COLLISIONS DUE TO SPEEDING	0

**COMMENTS:**      **Recommendation-** The 85th percentile speed indicates a speed limit of 30 MPH. However, no change in speed limit is recommended given: 1) Driver ability to see vehicles entering from side streets and driveways is obstructed by foliage and blind curves; 2) Pedestrian traffic in the roadway due to lack of sidewalks

**Recommended Speed Limit: 25 MPH**

<b>Signed:</b> 	<b>Date:</b> 8.29.2017
Michael Kashiwagi, P.E. Atherton Public Works Director	

**RESOLUTION 17-XX**

**A RESOLUTION OF THE CITY COUNCIL OF THE TOWN OF ATHERTON  
ESTABLISHING THE SPEED LIMIT ON THE FOLLOWING ROADWAYS:**

- Alejandra Avenue – between El Camino Real and Emilie Ave 25 mph
- Fair Oaks Lane – between Middlefield Rd and El Camino Real 25 mph
- James Avenue – between Middlefield Rd and Irving Ave 25 mph
- Walsh Road – between Alameda de las Pulgas and Valley Rd 30 mph

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

**Section 1. Findings**

On September 20, 2017, the City Council of the Town of Atherton reviewed and considered the engineering and speed studies and related information.

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

<u>Street</u>	<u>85<sup>th</sup> Percentile Speed</u>
Alejandra Avenue – between El Camino Real and Emilie Ave	31 mph
Fair Oaks Lane – between Middlefield Rd and El Camino Real	32 mph
James Avenue – between Middlefield Rd and Irving Ave	30 mph
Walsh Road – between Alameda de las Pulgas and Valley Rd	34 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:

Alejandra Avenue – between El Camino Real and Emilie Ave	25 mph
Fair Oaks Lane – between Middlefield Rd and El Camino Real	25 mph
James Avenue – between Middlefield Rd and Irving Ave	25 mph
Walsh Road – between Alameda de las Pulgas and Valley Rd	30 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 20<sup>th</sup> day of September, 2017, by the following vote.*

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

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Michael Lempres, MAYOR  
Town of Atherton

ATTEST:

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Theresa DellaSanta, City Clerk

APPROVED AS TO FORM:

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William B. Conners, City Attorney