



## MEMORANDUM

**Date:** December 16, 2024  
**To:** John A. Corella, Director of Public Works  
**From:** Armando J. Garcia Baldizzone, P.E. City Engineer  
**Re:** **Whispering Palms Trail – Between Ramon Road and Baristo Road  
Temporary Traffic Calming Study**

This report presents the results of the speed surveys completed in the City of Cathedral City, California, on Whispering Palm Trail between Ramon Road and Baristo Road as requested by a Cathedral City Resident at 31720 Whispering Palms Trail.

### Roadway Characteristics

Whispering Palms Trail is a two-lane local (residential) street with parking on both sides that extends north-south between Durango Road and Dinah Shore Drive. The posted speed limit on Whispering Palms Trail is 25 miles per hour (mph).

The parameters for the implementation of traffic calming devices in residential areas is as follows:

- Parameter 1:** The measured 85<sup>th</sup> percentile speed of traffic shall be equal to or greater than 35 mph.
- Parameter 2:** 70% of the measured speeds shall be in excess of 25 mph.

### Speed Survey Data Collection

The Engineering Department conducted a speed radar survey and speed feedback survey on the quarter mile roadway segment of Whispering Palm Trail between Ramon Road and Baristo Road within the following periods of time:

- July 16, 2024, through July 22, 2024 (7 days) - Speed Radar Survey
- July 22, 2024, through July 29, 2024 (7 Days) - Speed Feedback Sign Survey.

### Traffic Calming Step 1: Speed Radar Survey– July 16, 2024, through July 22,2024

#### Speed Radar Survey Results:

1. Parameter 1 was met with the 85<sup>th</sup> percentile speed of traffic being 35 mph.
2. Parameter 2 was met with an average of 73% of the measured speed being over the posted speed limit.

With the 85<sup>th</sup> percentile speed recorded and the percentage of speed violations greater than or equal to the allowable threshold for residential areas, staff proceeded to Step 2 of the traffic calming process.

**Traffic Calming Step 2: Speed Feedback Signs – July 22, 2024, through July 29, 2024**

Speed Feedback Sign Survey Results:

1. Parameter 1 was not met with the 85<sup>th</sup> percentile speed of traffic being 30 mph.
2. Parameter 2 was not met with an average of 48% of the measured speed being over the posted speed limit.

The data obtained showed a reduction in speed that falls within the permissible limits of the 85<sup>th</sup> percentile speed and percentage of speed violations. Therefore, the street segment does not require additional temporary calming measures.

Summary Table:

<b>Whispering Palms Trail – Between Ramon Road and Baristo Road</b>					
<b>Location:</b>		<b>Speed Limit: 25 MPH</b>			
Traffic Calming Step	Time Frame	Device	Average Speed (MPH)	85 <sup>th</sup> Percentile Speed Measured (MPH)	Percentage of Speeders (%)
1	07/16/2024 - 07/22/2024	Speed Radar	29	35	73
2	07/22/2024 - 07/29/2024	Speed Feedback Sign	25	30	49

**Recommendation**

The Engineering Department recommends that the city maintain the current speed limit at 25 mph and implement the following traffic calming measures:

1. Upgrade the northbound and southbound 25 mph speed signs with yellow solar flashing beacons or flashing speed limit signs.
2. Installation of speed feedback signs.
3. Installation of centerline pavement striping for local/residential roadways with speeds up to 40 mph per the California Manual on Uniform Traffic Control Devices (CD MUTCD) standards. The centerline striping shall extend from along Whispering Palms Trail between 30<sup>th</sup> Avenue and Dinah Shore Drive.
4. Utilize police traffic enforcement.

All the above-mentioned traffic calming measures will be included in the design and construction of Whispering Palms Trail Class III Bike Route Project that will extend from 30<sup>th</sup> Avenue to Dinah Shore Drive.

Armando J. Garcia Baldizzone, P.E.  
City Engineer

- EXHIBIT A – SPEED SURVEY- WHISPERING PALMS TRL – BETWEEN RAMON ROAD AND BARISTO ROAD: 2024-07-16 TO 2024-07-22
- EXHIBIT B – WEEKLY REPORT SPEED FEEDBACK SIGN: 2024-07-22 TO 2024-07-29

# Exhibit A – Speed Survey

For Project: Traffic Calming - 31720 Whispering Palms Trail  
 Project Notes: 31720 Whispering Palms Trail  
 Location/Name: Merged  
 Report Generated: 11/4/2024 5:45:49 PM  
 Speed Intervals: 1 MPH  
 Time Intervals: Instant  
 Traffic Report From: 7/16/2024 10:00:00 AM through 7/22/2024 7:59:59 AM  
 85th Percentile Speed: 35 MPH  
 85th Percentile Vehicles: 8719  
 Max Speed: 61 MPH on 7/18/2024 2:35:33 PM  
 Total Vehicles: 10258  
 AADT: 1733

## Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	1427	1465
AM Peak	7:00 AM 129	109
PM Peak	5:00 PM 137	119

## Speed

Speed Limit: 25  
 85th Percentile Speed: 35  
 50th Percentile Speed: 28  
 10 MPH Pace Interval: 23.0 MPH to 33.0 MPH  
 Average Speed: 28.59

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	197	875	1326	1325	1429	1285	1037
% over limit	67.7	73.5	70.5	72.4	73.6	74.5	74.2
Avg Speeder	31.4	30.6	30.9	30.8	30.8	31.0	31.0
Avg Speed	28.4	28.5	28.3	28.6	28.6	28.8	28.8

## Class Counts

	Number	%
VEH_SM	4	0
VEH_MED	9735	94.9
VEH_LG	519	5.1
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]

## Exhibit B - Speed Feedback Sign Custom Report

Location: 31720 Whispering Palms Trail - NORTH  
 Address: 31720 Whispering Palms Trail  
 Speed Limit: 25 mph

Report Period: 2024-07-22 to 2024-07-29  
 Total Vehicle Count: 9854

Date/Time	% of Speed Violations	Average Speed (mph)	Max Speed (mph)	85% Speed (mph)
2024-07-22	H 52 %	H 25	H 45	H 30
2024-07-23	49 %	H 25	43	H 30
2024-07-24	47 %	24	42	H 30
2024-07-25	50 %	H 25	H 45	H 30
2024-07-26	48 %	24	42	H 30
2024-07-27	47 %	24	44	H 30
2024-07-28	49 %	H 25	H 45	H 30
2024-07-29	H 52 %	H 25	42	H 30
<b>Summary</b>	AVG: 49 %	AVG: 25 mph		AVG: 30 mph

H - highest value in the column, **H** is highest H value in report

\*\* "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.



## MEMORANDUM

**Date:** December 16, 2024  
**To:** Armando J. Garcia Baldizzone, P.E. City Engineer  
**From:** Andres Perez, Assistant Engineer  
**Re:** **Vega Road – Between Kieth Avenue and Landau Boulevard**  
**Temporary Traffic Calming Study**

This report presents the results of the traffic calming study completed in the City of Cathedral City, California, on Vega Road between Kieth Avenue and Landau Boulevard as requested by a Cathedral City Resident at 67808 Vega Road.

### Roadway Characteristics

Vega Road is two-lane local (residential) street with parking on both sides that extends west-east between Keith Avenue and Avenida Los Ninos. The posted speed limit on Vega Road is 25 miles per hour (mph).

The parameters for the implementations of traffic calming devices in for residential areas is as follows:

**Parameter 1:** The measured 85<sup>th</sup> percentile speed of traffic shall be equal to or greater than 35 mph.

**Parameter 2:** 70% of the measured speeds shall be in excess of 25 mph.

### Speed Survey Data Collection

The Engineering Department conducted a speed radar survey on the roadway segment of Vega Road between Kieth Avenue and Landau Boulevard within the following time period:

- July 31, 2024, through August 06, 2024 (7 days) – Speed Radar Survey

### Traffic Calming Step 1: Speed Radar Survey– July 31, 2024, through August 06, 2024

#### Speed Radar Survey Results:

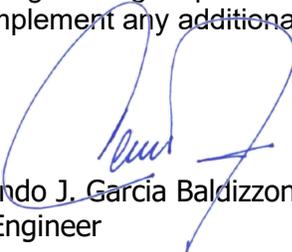
1. Parameter 1 was not met with 85<sup>th</sup> percentile speed was 31 mph (less than 35 mph).
2. Parameter 2 was not met with an average of 50% of the measured speed being over the posted speed limit.

Summary Table:

<b>Vega Road – Between Kieth Avenue and Landau Boulevard</b>					
<b>Location: Speed Limit: 25 MPH</b>					
Traffic Calming Step	Time Frame	Device	Average Speed (MPH)	85th Percentile Speed Measured (MPH)	Percentage of Speeders (%)
1	7/13/2024 - 8/06/2024	Speed Radar	25	31	50

**Recommendation**

The Engineering Department recommends that the City maintain the current speed limit at 25 mph and not implement any additional traffic calming measures.



Armando J. Garcia Baldizzone, P.E.  
City Engineer

- EXHIBIT A – SPEED SURVEY VEGA ROAD – BETWEEN KIETH AVENUE AND LANDAU BOULEVARD

For Project: Traffic Calming - Vega Rd  
 Project Notes:  
 Location/Name: Merged  
 Report Generated: 11/5/2024 11:56:19 AM  
 Speed Intervals: 1 MPH  
 Time Intervals: Instant  
 Traffic Report From: 7/31/2024 7:00:00 AM through 8/6/2024 1:59:59 PM  
 85th Percentile Speed: 31 MPH  
 85th Percentile Vehicles: 1142  
 Max Speed: 51 MPH on 8/5/2024 10:56:33 AM  
 Total Vehicles: 1344  
 AADT: 253

## Exhibit A - Speed Survey

### Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	239	224
AM Peak	8:00 AM 41	31
PM Peak	4:00 PM 19	15

### Speed

Speed Limit: 25  
 85th Percentile Speed: 31  
 50th Percentile Speed: 25  
 10 MPH Pace Interval: 21.0 MPH to 31.0 MPH  
 Average Speed: 24.83

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	48	52	127	132	137	129	77
% over limit	48.0	50.0	33.5	55.9	56.4	52.7	54.6
Avg Speeder	30.0	30.0	28.9	29.5	29.4	29.8	29.5
Avg Speed	25.9	26.2	22.6	25.8	25.9	25.5	25.7

### Class Counts

	Number	%
VEH_SM	14	1
VEH_MED	1148	85.4
VEH_LG	182	13.5
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]



## MEMORANDUM

**Date:** December 16, 2024  
**To:** Armando J. Garcia Baldizzone, P.E. City Engineer  
**From:** Andres Perez, Assistant Engineer  
**Re:** **Whispering Palms Trail – Between Mission Indian Trail and 33<sup>rd</sup> Avenue  
Temporary Traffic Calming Study**

This report presents the results of the traffic calming study completed in the City of Cathedral City, California, on Whispering Palm Trail between Mission Indian Trail and 33<sup>rd</sup> Avenue as requested by a Cathedral City Resident at 32660 Whispering Palms Trail.

### Roadway Characteristics

Whispering Palms Trail is a two-lane local (residential) street with parking on both sides that extends north-south between Durango Road and Dinah Shore Drive. The posted speed limit on Whispering Palms Trail is 25 miles per hour (mph).

The parameters for the implementations of traffic calming devices in residential areas is as follows:

**Parameter 1:** The measured 85<sup>th</sup> percentile speed of traffic shall be equal to or greater than 35 mph.

**Parameter 2:** 70% of the measured speeds shall be in excess of 25 mph.

### Speed Survey Data Collection

The Engineering Department conducted a speed radar survey and speed feedback survey on the quarter mile roadway segment of Whispering Palm Trail between Mission Indian Trail and 33<sup>rd</sup> Avenue within the following periods of time:

- August 13, 2024, through August 21, 2024 (8 days) - Speed Radar Survey
- August 26, 2024, through September 04, 2024 (7 Days) - Speed Feedback Sign Survey

This section presents the speed survey results conducted on Whispering Palms Trail during the specified period mentioned above.

### Traffic Calming Step 1: Speed Radar Survey– August 13, 2024, through August 21

#### Speed Radar Survey Results:

1. Parameter 1 was met with the 85<sup>th</sup> percentile speed of traffic being 38 mph.

- Parameter 2 was met with an average of 90% of the measured speed being over the posted speed limit.

With the 85<sup>th</sup> percentile speed recorded and the percentage of speed violations greater than the allowable threshold for residential areas, staff proceeded to Step 2 of the traffic calming process.

**Traffic Calming Step 2: Speed Feedback Signs – August 26, 2024, through September 04, 2024**

Speed Feedback Sign Survey Results:

- Parameter 1 was not met with the 85<sup>th</sup> percentile speed being 31 mph.
- Parameter 2 was not met with an average of 54% of the measured speed being over the posted speed limit.

The data obtained showed a reduction in speed that falls within the permissible limits of the 85<sup>th</sup> percentile speed and percentage of speed violations. Therefore, the street segment does not require additional temporary measures.

Summary Table:

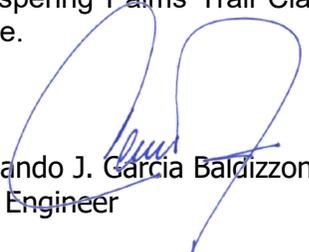
<b>Whispering Palms Trail – Between Mission Indian Trail And 33<sup>rd</sup> Avenue</b>					
<b>Location: Speed Limit: 25 MPH</b>					
Traffic Calming Step	Time Frame	Device	Average Speed (MPH)	85 <sup>th</sup> Percentile Speed Measured (MPH)	Percentage of Speeders (%)
1	8/13/2024 - 8/21/2024	Speed Radar	33	38	90
2	8/26/2024 - 09/04/2024	Speed Feedback Sign	25	31	54

**Recommendation**

The Engineering Department recommends that the city maintain the current speed limit at 25 mph and implement the following traffic calming measures:

- Upgrade the northbound and southbound 25 mph speed signs with yellow solar flashing beacons or flashing speed limit signs.
- Installation of speed feedback signs.
- Installation of centerline pavement striping for local/residential roadways with speeds up to 40 mph per the California Manual on Uniform Traffic Control Devices (CD MUTCD) standards. The centerline striping shall extend from along Whispering Palms Trail between 30<sup>th</sup> Avenue and Dinah Shore Drive.
- Utilize police traffic enforcement.

All of the above-mentioned traffic calming measures will be included in the design and construction of Whispering Palms Trail Class III Bike Route Project that will extend from 30<sup>th</sup> Avenue to Dinah Shore Drive.



Armando J. Garcia Baldizzone, P.E.  
City Engineer

- EXHIBIT A – SPEED SURVEY: WHISPERING PALMS TRL – BETWEEN MISSION INDIAN TRL AND 33<sup>RD</sup> AVE
- EXHIBIT B - WEEKLY REPORT SPEED FEEDBACK SIGN: 2024-08-28 TO 2024-09-04

# Exhibit A - Speed Radar

For Project: Traffic Calming - Whispering Palms Trl between Miission Indian Trail and 33rd Avenue.  
 Project Notes:  
 Location/Name: Merged  
 Report Generated: 9/25/2024 9:37:29 AM  
 Speed Intervals: 1 MPH  
 Time Intervals: Instant  
 Traffic Report From: 8/13/2024 10:00:00 AM through 8/21/2024 1:59:59 PM  
 85th Percentile Speed: 38 MPH  
 85th Percentile Vehicles: 16803  
 Max Speed: 83 MPH on 8/17/2024 5:40:02 AM  
 Total Vehicles: 19768  
 AADT: 2420

## Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	2286	2218
AM Peak	7:00 AM 203	168
PM Peak	4:00 PM 194	178

## Speed

Speed Limit: 25  
 85th Percentile Speed: 38  
 50th Percentile Speed: 33  
 10 MPH Pace Interval: 28.0 MPH to 38.0 MPH  
 Average Speed: 32.65

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	2151	4130	3475	2126	2267	1966	1690
% over limit	91.7	90.2	89.2	90.9	90.4	89.9	88.4
Avg Speeder	34.1	33.7	33.6	34.0	33.7	33.9	33.7
Avg Speed	33.1	32.6	32.4	33.0	32.6	32.8	32.4

## Class Counts

	Number	%
VEH_SM	4	0
VEH_MED	19120	96.7
VEH_LG	644	3.3
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]

## Exhibit B - Speed Feedback Sign Custom Report

Location: NORTH - Whispering Palms Trail between Mission Indian Trl & 33rd  
 Address: Whispering Palms Trail  
 Speed Limit: 25 mph

Report Period: 2024-08-28 to 2024-09-04  
 Total Vehicle Count: 7651

Date/Time	% of Speed Violations	Average Speed (mph)	Max Speed (mph)	85% Speed (mph)
2024-08-28	39 %	H 23	42	H 29
2024-08-29	40 %	H 23	37	H 29
2024-08-30	41 %	H 23	H 46	H 29
2024-08-31	38 %	H 23	41	H 29
2024-09-01	H 42 %	H 23	40	H 29
2024-09-02	40 %	H 23	42	H 29
2024-09-03	41 %	H 23	40	H 29
2024-09-04	H 42 %	H 23	40	H 29
<b>Summary</b>	AVG: 40 %	AVG: 23 mph		AVG: 29 mph

H - highest value in the column, **bolded H** is highest H value in report

\*\* "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.

## Exhibit B - Speed Feedback Sign Custom Report

Location: SOUTH - Whispering Palms Trail between Mission Indian Trl & 33rd  
 Address: Whispering Palms Trail  
 Speed Limit: 25 mph

Report Period: 2024-08-28 to 2024-09-04  
 Total Vehicle Count: 9260

Date/Time	% of Speed Violations	Average Speed (mph)	Max Speed (mph)	85% Speed (mph)
2024-08-28	63 %	27	46	33
2024-08-29	66 %	27	45	<b>H 34</b>
2024-08-30	68 %	27	<b>H 51</b>	33
2024-08-31	69 %	27	50	33
2024-09-01	<b>H 70 %</b>	<b>H 28</b>	50	<b>H 34</b>
2024-09-02	<b>H 70 %</b>	<b>H 28</b>	45	33
2024-09-03	<b>H 70 %</b>	<b>H 28</b>	<b>H 51</b>	<b>H 34</b>
2024-09-04	69 %	<b>H 28</b>	47	33
<b>Summary</b>	AVG: 68 %	AVG: 28 mph		AVG: 33 mph

H - highest value in the column, **bolded H** is highest H value in report

\*\* "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.



## MEMORANDUM

**Date:** December 16, 2024  
**To:** Armando J. Garcia Baldizzone, P.E. City Engineer  
**From:** Andres Perez, Assistant Engineer  
**Re:** **Avenida Ximino – Between McCallum Way and Baristo Road  
Temporary Traffic Calming Study**

This report presents the results of the traffic calming study completed in the City of Cathedral City, California, on Avenida Ximino between McCallum Way and Baristo Road as requested by a Cathedral City Resident.

### Roadway Characteristics

Avenida Ximino is a two-lane local (residential) street with parking on both sides that extends north-south between Senora Road and Ramon Road. The posted speed limit on Avenida Ximino is 25 miles per hour (mph).

The threshold for residential areas must comply with the following parameters:

- Parameter 1:** The measured 85<sup>th</sup> percentile speed of traffic shall be equal to or greater than 35 mph.
- Parameter 2:** 70% of the measured speeds shall be in excess of 25 mph.

### Speed Survey Data Collection

The Engineering Department conducted a speed radar survey on the quarter mile roadway segment of Avenida Ximino between McCallum Way and Baristo Road within the following time period:

- September 16, 2024, through September 23, 2024 (7 days) – Speed radar survey

### Traffic Calming Step 1: Speed Radar Survey– September 16, 2024, through September 23, 2024 Speed Radar Survey Results:

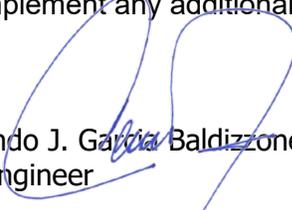
1. Parameter 1 was not met with 85<sup>th</sup> percentile speed of traffic being 33 mph.
2. Parameter 2 was not met with an average of 68% of the measured speed being over the posted speed limit.

Summary Table:

<b>Avenida Ximino – Between McCallum Way and Baristo Road</b>					
<b>Location:</b>		<b>Speed Limit: 25 MPH</b>			
Traffic Calming Step	Time Frame	Device	Average Speed (MPH)	85 <sup>th</sup> Percentile Speed Measured (MPH)	Percentage of Speeders (%)
1	9/16/2024 - 9/23/2024	Speed Radar	27	33	68

**Recommendation**

The Engineering Department recommends that the city maintain the current speed limit at 25 mph and not implement any additional traffic calming measures.

  
Armando J. Garcia Baldizzone, P.E.  
City Engineer

- EXHIBIT A – SPEED SURVEY AVENIDA XIMINO – BETWEEN MCCALLUM WAY AND BARISTO ROAD

For Project: Avenida Ximino between McCallum Way and Baristo Road

Project Notes:

Location/Name: Merged

Report Generated: 11/5/2024 10:19:56 AM

Speed Intervals: 1 MPH

Time Intervals: Instant

Traffic Report From: 9/16/2024 8:00:00 AM through 9/23/2024 10:59:59 AM

85th Percentile Speed: 33 MPH

85th Percentile Vehicles: 5517

Max Speed: 61 MPH on 9/21/2024 6:58:23 PM

Total Vehicles: 6491

AADT: 911

# Exhibit A – Speed Survey

## Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	872	850
AM Peak	7:00 AM 59	51
PM Peak	5:00 PM 78	71

## Speed

Speed Limit: 25

85th Percentile Speed: 33

50th Percentile Speed: 28

10 MPH Pace Interval: 23.0 MPH to 33.0 MPH

Average Speed: 27.91

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	687	652	629	667	666	567	530
% over limit	64.1	69.6	68.5	68.8	66.5	65.2	73.0
Avg Speeder	31.1	31.0	30.9	30.8	31.1	31.0	30.9
Avg Speed	27.4	28.2	28.0	28.0	27.9	27.6	28.5

## Class Counts

	Number	%
VEH_SM	4	0.1
VEH_MED	6322	97.4
VEH_LG	165	2.5
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]



## MEMORANDUM

**Date:** December 16, 2024  
**To:** Armando J. Garcia Baldizzone, P.E. City Engineer  
**From:** Andres Perez, Assistant Engineer  
**Re:** **Avenida Del Yermo – Between McCallum Way and Vega Road  
Temporary Traffic Calming Study**

This report presents the results of the traffic calming study completed in the City of Cathedral City, California, on Avenida Del Yermo between McCallum Way and Vega Road as requested by a Cathedral City Resident at 30988 Avenida Del Yermo.

### Roadway Characteristics

Avenida Del Yermo is two-lane local (residential) street with parking on both sides that extends north-south between 30<sup>th</sup> Avenue and Ramon Road. The posted speed limit on Avenida Del Yermo is 25 miles per hour (mph).

The parameters for the implementations of traffic calming devices in for residential areas is as follows:

**Parameter 1:** The measured 85<sup>th</sup> percentile speed of traffic shall be equal to or greater than 35 mph.

**Parameter 2:** 70% of the measured speeds shall be in excess of 25 mph.

### Speed Survey Data Collection

The Engineering Department conducted a speed radar survey and speed feedback survey on the quarter mile roadway segment of Avenida Del Yermo between McCallum Way and Vega Road within the following periods of time:

- October 07, 2024, through October 14, 2024 (7 days) - Speed Radar Survey
- October 25, 2024, through November 01, 2024 (7 days) - Speed Feedback Signs Survey

This section presents the speed survey results conducted on Avenida Del Yermo during the specified period mentioned above.

### Traffic Calming Step 1: Speed Radar Survey– October 07, through October 07, 2024

#### Speed Radar Survey Results:

1. Parameter 1 was met with the 85<sup>th</sup> percentile speed of traffic being 35 mph.

- Parameter 2 was met with an average of 74% of the measured speed being over the posted speed limit.

With the 85th percentile speed recorded and percentage of speed violations greater than the allowable threshold for residential areas, staff proceeded to Step 2 of the traffic calming process.

**Traffic Calming Step 2: Speed Feedback Signs – August 26, 2024, through September 08, 2024**

Speed Feedback Sign Survey Results:

- Parameter 1 was not met with the 85<sup>th</sup> percentile speed being 30 mph.
- Parameter 2 was not met with an average 47% of the measured speed being over the posted speed limit.

The data obtained showed a reduction in speed that falls within the permissible limits of the 85th percentile speed and percentage of speed violations. Therefore, the street segment does not require additional temporary measures.

Summary Table:

<b>Avenida Del Yermo – Between McCallum Way and Vega Road</b>					
<b>Location: Speed Limit: 25 MPH</b>					
Traffic Calming Step	Time Frame	Device	Average Speed (MPH)	85th Percentile Speed Measured (MPH)	Percentage of Speeders (%)
1	10/07/24-10/14/24	Speed Radar	29	35	74
2	10/25/24 - 11/01/24	Speed Feedback Sign	24	30	47

**Recommendation**

The Engineering Department recommends that the City maintain the current speed limit at 25 mph and implement the following traffic calming measures:

- Install flashing speed limit regulatory signs.
- Installation of centerline pavement striping for local/residential roadways with speeds up to 40 mph per the California Manual on Uniform Traffic Control Devices (CD MUTCD) standards. The centerline striping shall extend from along Avenida Del Yermo between 30<sup>th</sup> Avenue and Ramon Road.
- Police Traffic Enforcement

Armando J. Garcia Baldizzone, P.E.  
City Engineer

- EXHIBIT A – SPEED SURVEY: AVENIDA DEL YERMO BETWEEN MCCALLUM WAY AND VEGA ROAD
- EXHIBIT B – WEEKLY REPORT SPEED FEEDBACK SIGN: 2024-10-25 TO 2024-11-01

# Exhibit A - Speed Radar

For Project: Avenida Del Yermo between McCallum Way and Vega Road  
 Project Notes: Avenida Del Yermo between McCallum Way and Vega Road  
 Location/Name: Incoming  
 Report Generated: 12/9/2024 3:43:19 PM  
 Speed Intervals: 1 MPH  
 Time Intervals: Instant  
 Traffic Report From: 10/7/2024 1:00:00 PM through 10/14/2024 11:59:59 PM  
 85th Percentile Speed: 35 MPH  
 85th Percentile Vehicles: 2428  
 Max Speed: 61 MPH on 10/10/2024 2:46:42 PM  
 Total Vehicles: 2856  
 AADT: 382

## Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	390	378
AM Peak	7:00 AM 47	39
PM Peak	4:00 PM 31	31

## Speed

Speed Limit: 25  
 85th Percentile Speed: 35  
 50th Percentile Speed: 29  
 10 MPH Pace Interval: 24.0 MPH to 34.0 MPH  
 Average Speed: 28.94

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	310	300	343	320	344	292	219
% over limit	76.0	73.5	72.4	76.0	77.1	74.7	71.1
Avg Speeder	31.5	31.2	31.4	31.7	31.6	31.6	31.7
Avg Speed	29.0	28.6	28.6	29.2	29.3	29.0	28.9

## Class Counts

	Number	%
VEH_SM	5	0.2
VEH_MED	2780	97.3
VEH_LG	71	2.5
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]

## Exhibit B - Speed Feedback Sign Custom Report

Location: North - Avenida del Yermo  
 Address: Avenida del Yermo  
 Speed Limit: 25 mph

Report Period: 2024-10-25 to 2024-11-01  
 Total Vehicle Count: 6705

Date/Time	% of Speed Violations	Average Speed (mph)	Max Speed (mph)	85% Speed (mph)
2024-10-25	52 %	H 25	48	H 31
2024-10-26	51 %	H 25	44	H 31
2024-10-27	53 %	H 25	46	H 31
2024-10-28	52 %	H 25	<b>H 52</b>	H 31
2024-10-29	51 %	H 25	42	30
2024-10-30	49 %	24	50	30
2024-10-31	<b>H 54 %</b>	H 25	45	H 31
2024-11-01	52 %	H 25	46	30
<b>Summary</b>	AVG: 52 %	AVG: 25 mph		AVG: 31 mph

H - highest value in the column, **bolded H** is highest H value in report

\*\* "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.

# Exhibit B - Speed Feedback Sign Custom Report

Location: South - Avenida del Yermo  
 Address: Avenida del Yermo  
 Speed Limit: 25 mph

Report Period: 2024-10-25 to 2024-11-01  
 Total Vehicle Count: 2364

Date/Time	% of Speed Violations	Average Speed (mph)	Max Speed (mph)	85% Speed (mph)
2024-10-25	H 46 %	23	35	H 29
2024-10-26	43 %	23	35	H 29
2024-10-27	38 %	22	35	H 29
2024-10-28	38 %	23	35	H 29
2024-10-29	43 %	23	37	H 29
2024-10-30	40 %	22	35	H 29
2024-10-31	40 %	23	H 42	H 29
2024-11-01	44 %	H 24	37	H 29
<b>Summary</b>	AVG: 42 %	AVG: 23 mph		AVG: 29 mph

H - highest value in the column, **bolded H** is highest H value in report

\*\* "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.