



Harford
Canyon

Avila Beach Drive Capacity Study Traffic Conditions & Special Events

Central Coast Aquarium

Wednesday, March 14, 2018



Photo sources: GHD, Avila Beach Golf Resort

Brief Recap

Studies

- 1990 DKS Avila Circulation Study
- 1992 WSA Resource Capacity Study
- 1994 Department of Planning & Building
- 2009 Avila Valley Circulation Study (Goals & Objectives)
- 2013 Parking Management Plan
- Avila Beach Drive Capacity Study – March 2016
- Avila Circulation Study – May 2016
- Analysis of Traffic Management Strategies & Options – May 2016
- Kirk Consulting – Events info – November 2017

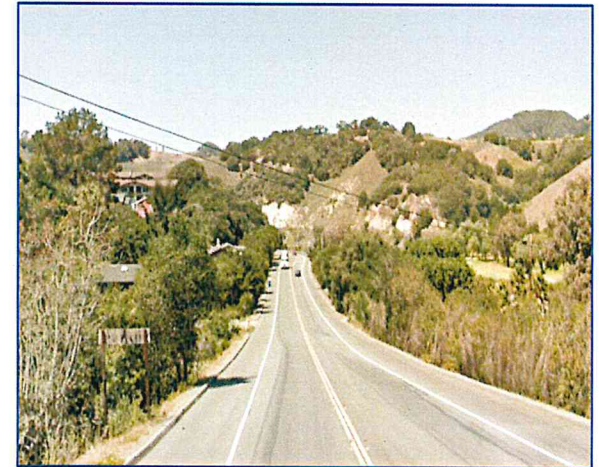


Photo source: Google Maps



Photo source: GHD

Permanent Count Station Installed on Avila Beach Drive in January 2015

County Seeks Re-evaluation of 2nd Week of May Policy

Prior Findings

Current County Policy for Avila Beach Drive:

- Maintain LOS “C” on Avila Beach Drive based on 2nd Week of May, 3:00-6:00 p.m. (1992 Study)
- County policy LOS “D” for urban areas
- No Widening on Avila Beach Drive
- Implement Alternate Measures

Sept. 14-20th, 2014: (LOS C)

ADT: 11,136

PM Peak Hour: 1,148

2nd Week of May, 2015: (LOS A)

ADT: 10,794

PM Peak Hour: 849

Existing Conditions (2015):

- LOS largely acceptable on Weekdays
- 2nd Week of May much lower than March, April, and June
- Lower effective capacity due to the higher directionality factor

Volume Capacity Thresholds

Peak Hour Volume Thresholds (1992 Study)

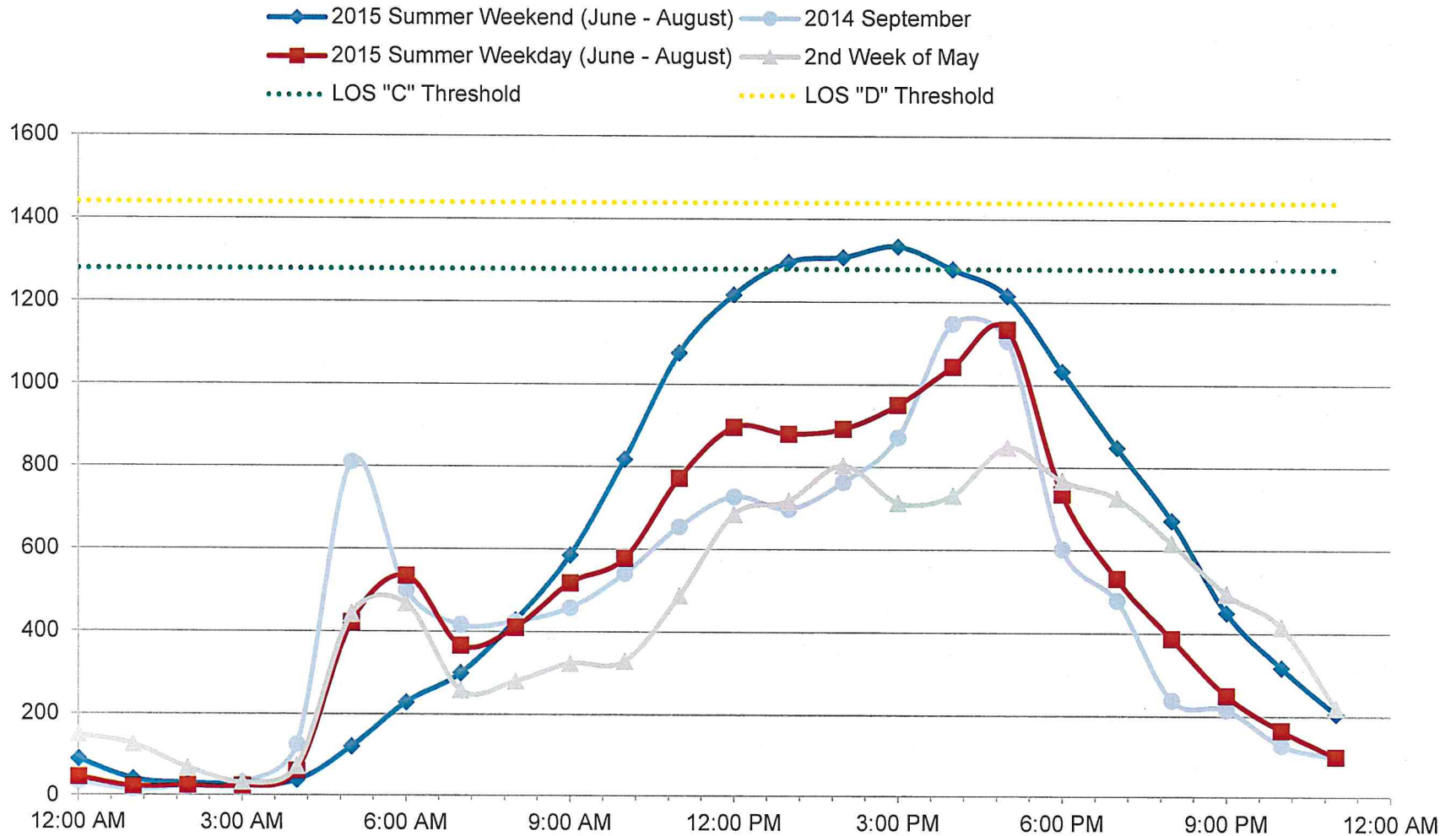
Level of Service	Service Flow (Peak Direction)	Estimated 2-Way Flow	Estimated Travel Speed
A	< 670	< 985	> 43 mph
B	670 - 770	985 - 1,130	37 - 43 mph
C	770 - 870	1,130 - 1,280	30 - 37 mph
D	870 - 980	1,280 - 1,440	23 - 30 mph
E	980 - 1,100	1,440 - 1,615	15 - 23 mph
F	> 1,100	> 1,615	< 15 mph

County Daily Volume Thresholds:

Level of Service	Two-Lane Arterial (no Turn Lanes)	Two-Lane Arterial (w/ Turn Lanes)
A	< 9,000	< 11,000
B	9,000 - 10,500	11,000 - 12,500
C	10,500 - 12,000	12,500 - 14,500
D	12,000 - 13,500	14,500 - 16,000
E	13,500 - 15,000	16,000 - 18,000
F	> 15,000	> 18,000

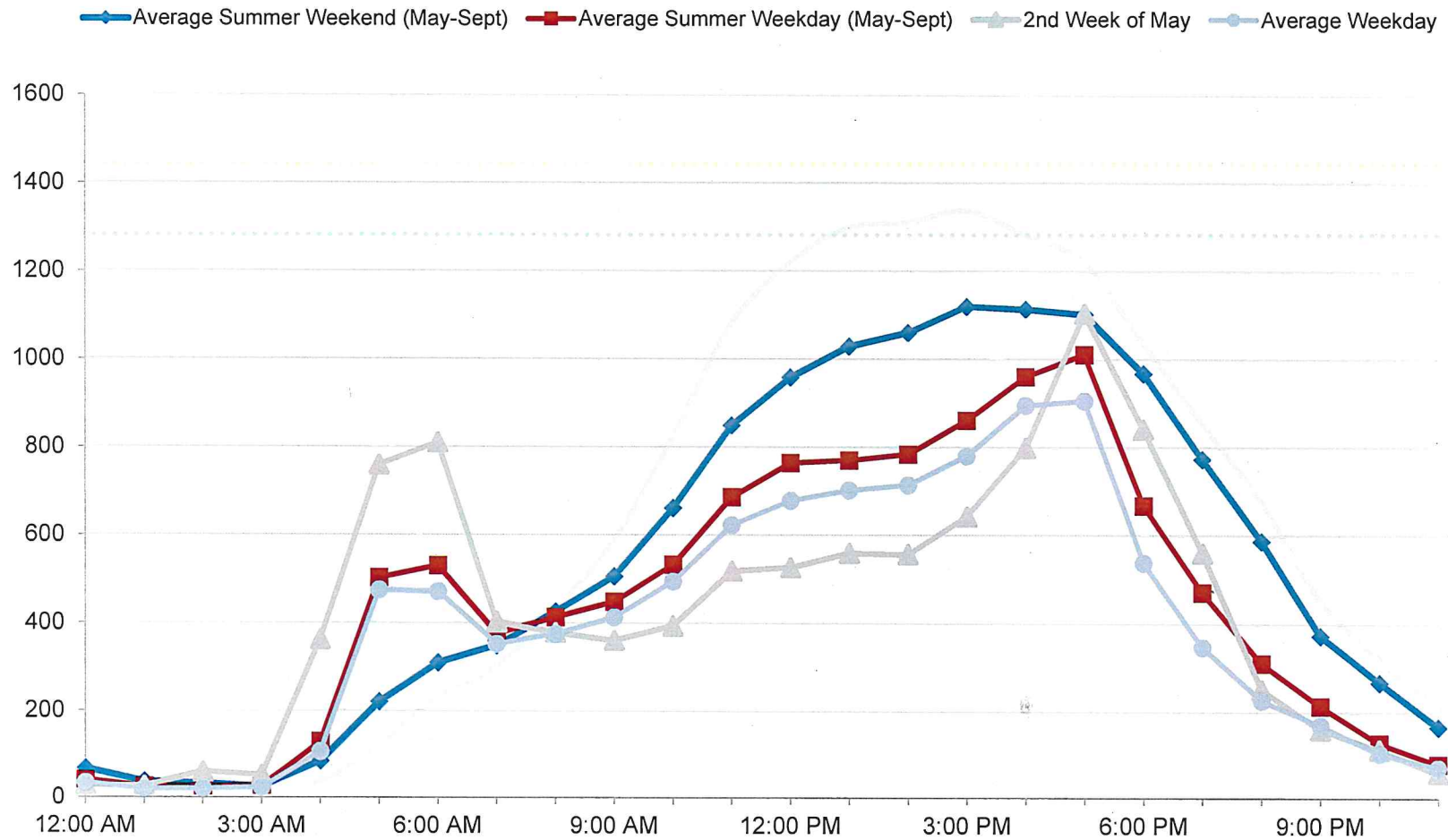
Prior Findings

2014 & 2015 Seasonal & Weekend Comparison



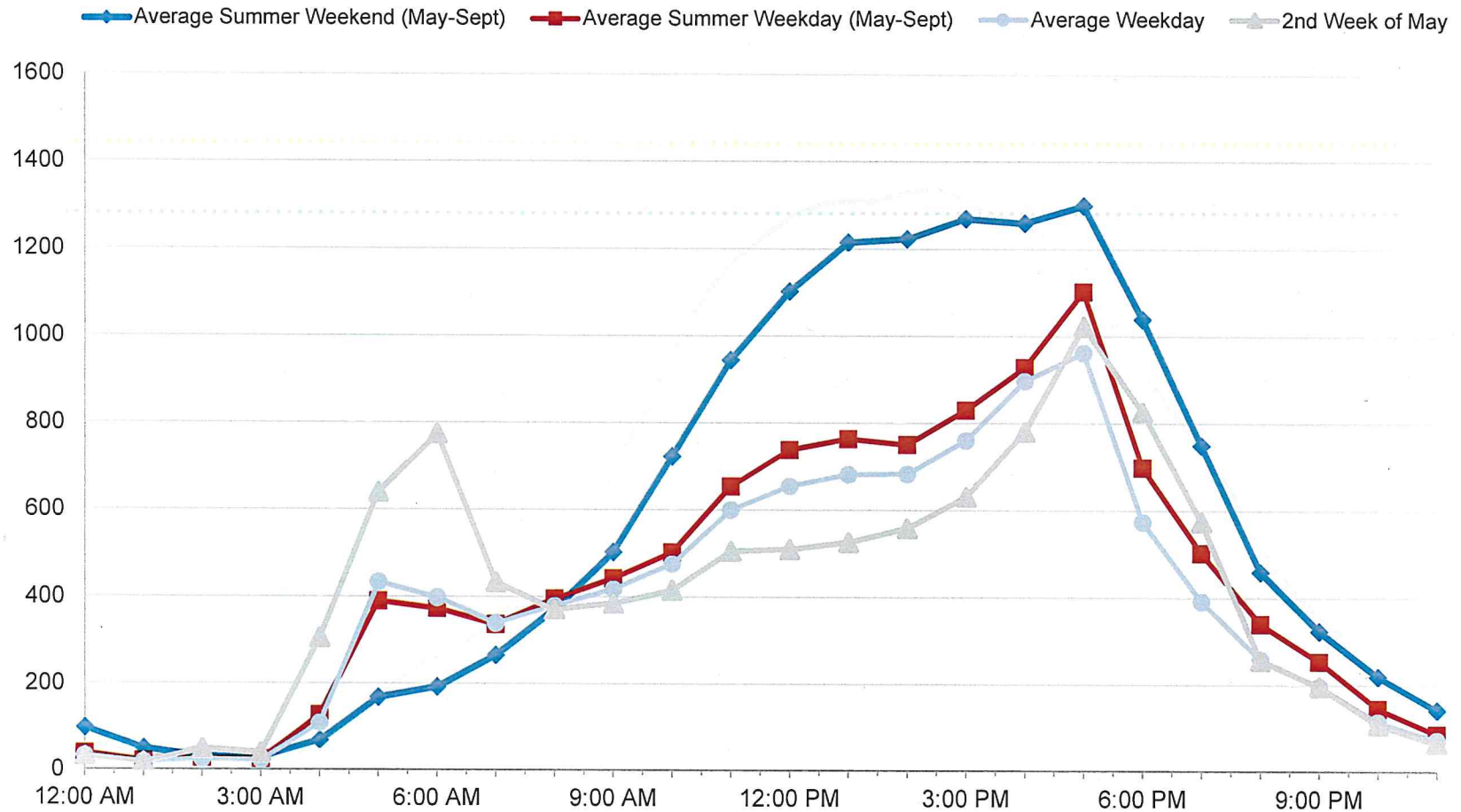
2016 Permanent Count Data Findings

2016 Seasonal & Weekend Comparison



2017 Permanent Count Data Findings

2017 Seasonal & Weekend Comparison



2015-2017 Data Summary

Avila Beach Drive Permanent Count Station

Coincidentally,
beautiful weather

Hourly Data	2015 (March-August)	2016 (January-December)
Highest Hour	1,833 (vph) June 13, 3:00 p.m. (LOS F) (Saturday)	1,894 (vph) Feb. 14, 2:00 p.m. (LOS F) (Sunday)
30th Highest Hour	1,555 (vph) March 14, 2:00 p.m. (LOS E) (Saturday)	1,543 (vph) June 18, 1:00 p.m. (LOS E) (Saturday)
345th Highest Hour	1,146 (vph) March 15, 5:00 p.m. (LOS C) (Sunday)	1,150(vph) June 12, 1:00 p.m. (LOS C) (Monday)

Large Concert

Hourly Data	2017 (February-December)	
Highest Hour	1,939 (vph) (LOS F)	June 17, 3:00 p.m. (Saturday)
30th Highest Hour	1,601 (vph) (LOS E)	March 11, 1:00 p.m. (Saturday)
345th Highest Hour	1,180 (LOS C)	July 26, 4:00 p.m. (Wednesday)

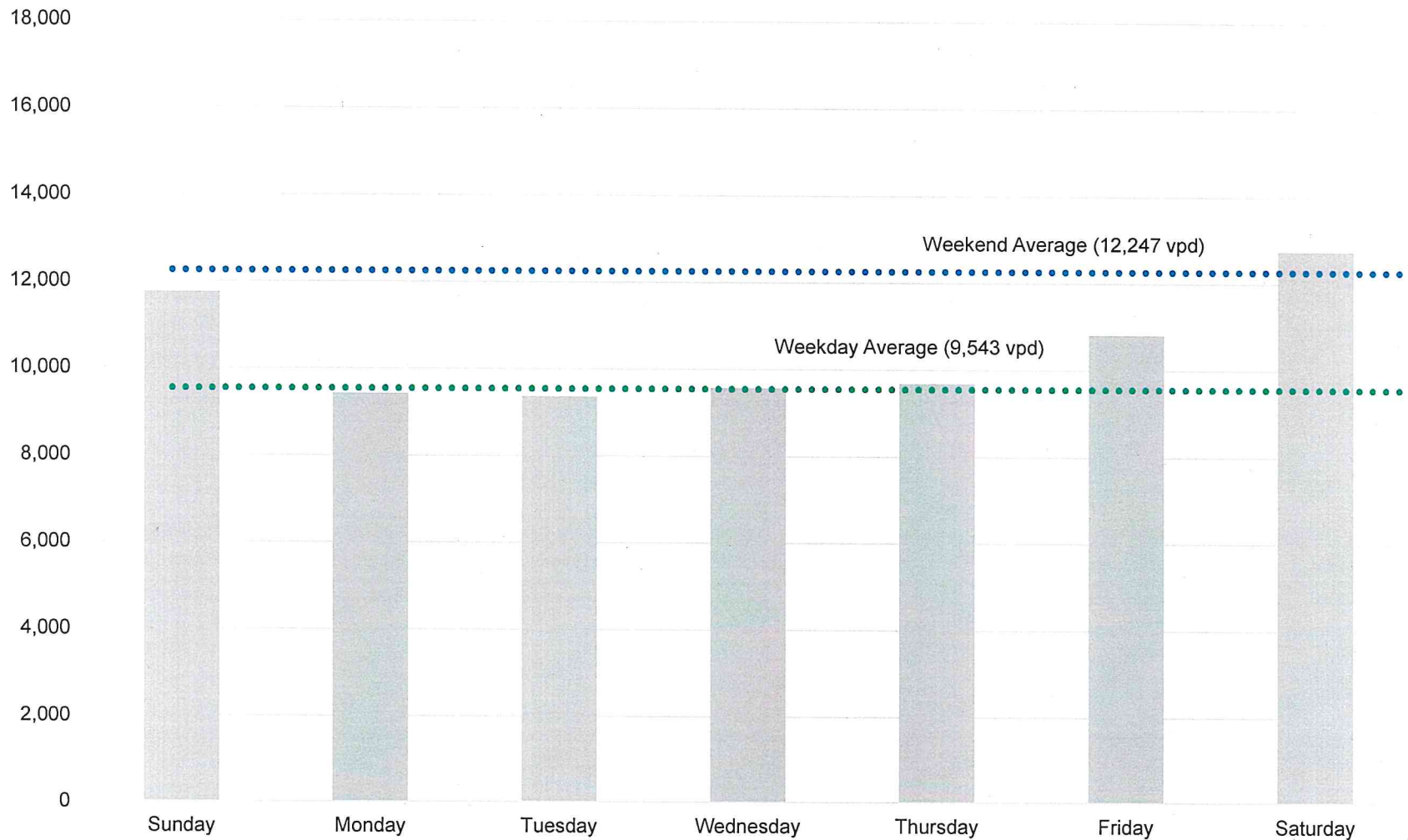
Avila Beach Drive Permanent Count Station

Average Daily Volumes by Month

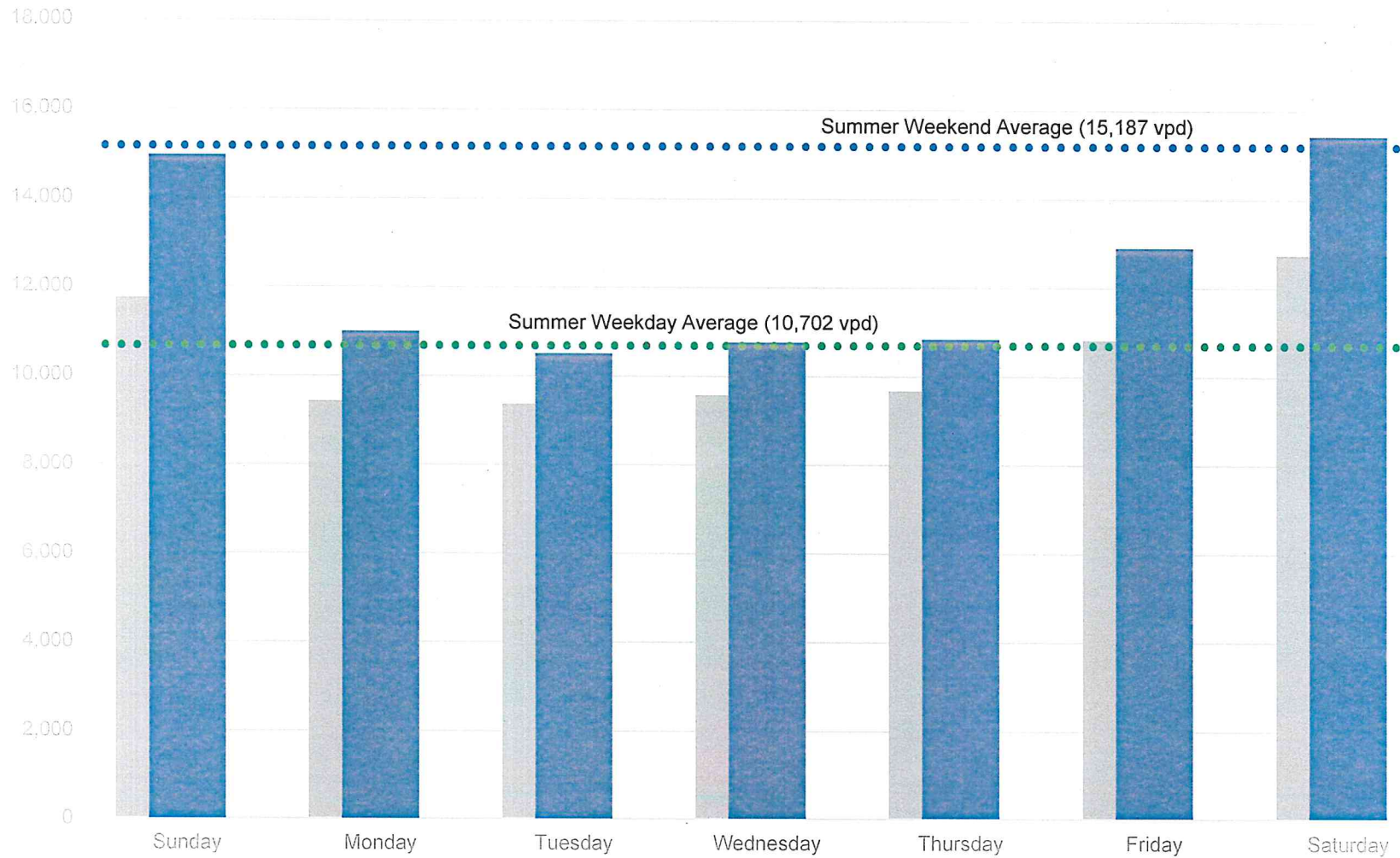


1992 Data

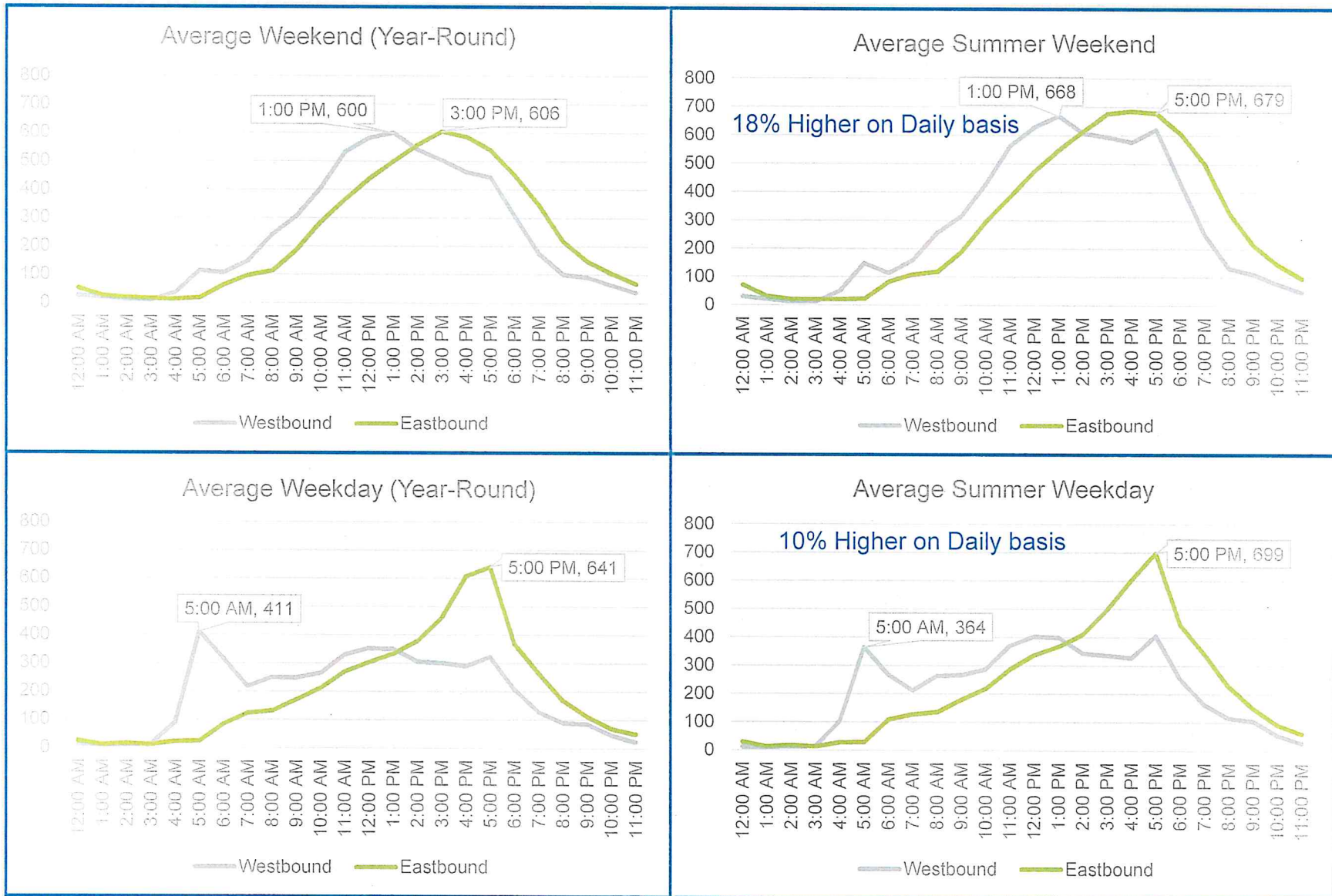
2017 Average Daily Volumes (Year-Round)



2017 Average Summer Volumes (May 15- Sept 15)



2017 Average vs Summer / Weekend vs Weekday



2017 Daily Data (February – December)

Highest Daily Total: **20,980** (Saturday, June 17, during large concert)

Highest Weekday (Tues.-Thur.): **12,932** (Thursday, June 15)

Average Summer Weekend Volume: 15,187

Average Summer Weekday Volume: **12,293**

Average Daily Volume during Concert: 11,922

Average Daily Volume during Festival : 11,287

Average Weekend Volume: **12,247**

Average Weekday Volume: 9,543

2nd Week of May ADT: 10,057

Average Annual Daily: 10,487



Photo source: Avila Beach Golf Resort

Avila Valley Circulation Study (2009)

Special Events:

Goal 2: To ensure that special events in the Avila Valley provide adequate access management.

Objective 1: Obtain relevant information about past and scheduled future events and, upon consultation with pertinent entities, formulate any necessary recommendations for reduced impacts.

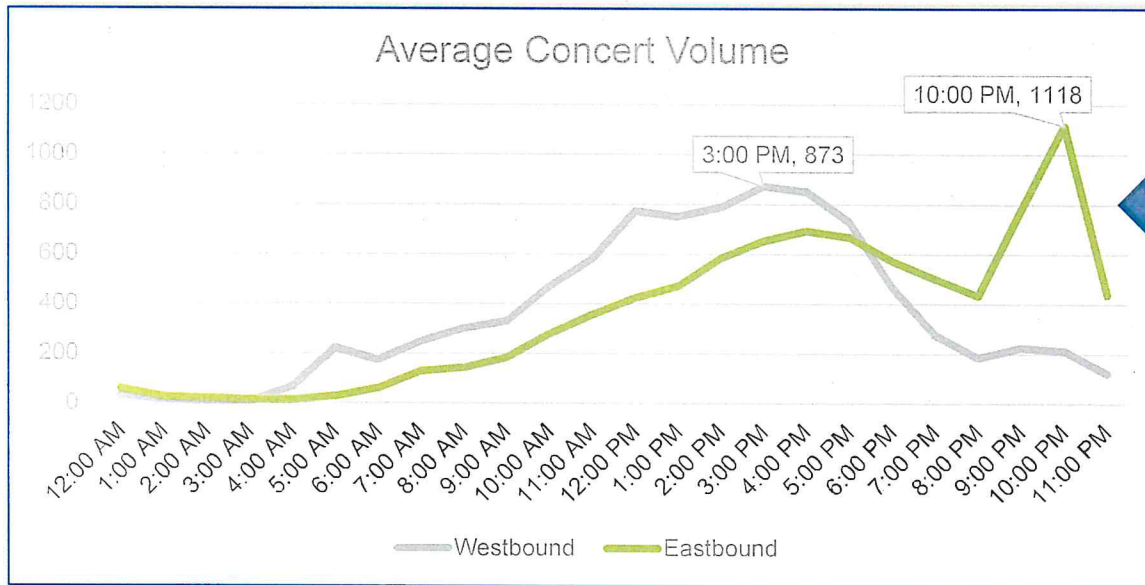
Special Events



Photos by: Avila Beach Pier, Avila Beach Golf Resort

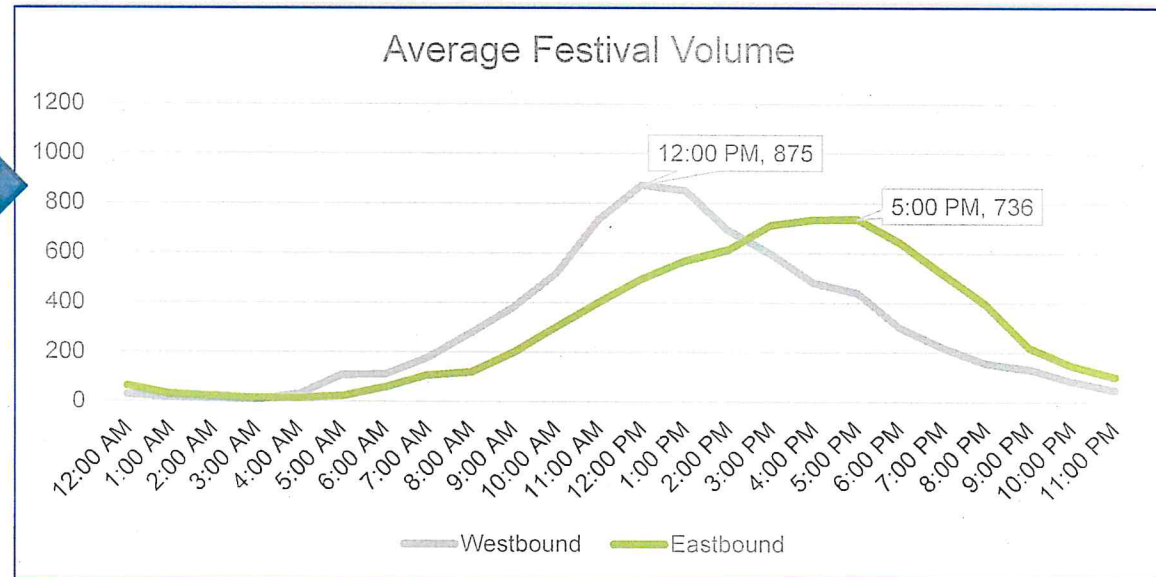
Date	Event	Time	Attendance
Saturday, May 27, 2017	Tequila Festival	12:00 p.m. – 5:00 p.m.	3500
Sunday, May 28, 2017	Blues Festival	12:00 p.m.	2700
Monday, May 29, 2017	Memorial Day Jam	1:30 p.m.	1700
Saturday, June 10, 2017	Concert	6:00 p.m.	1700
Saturday, June 17, 2017	Concert	4:30 p.m.	5000
Saturday, June 24, 2017	Mac & Cheese Festival	2:00 – 6:00 p.m.	2000
Friday, June 30, 2017	Movie night	7:00 p.m.	
Friday, July 07, 2017	Concert	6:00 p.m.	2500
Saturday, July 08, 2017	Oyster Festival	12:00 – 8:00 p.m.	2000
Sunday, July 09, 2017	Yoga & Art Festival	12:00 – 5:00 p.m.	1000
Sunday, July 23, 2017	Brunch on Wheels	10:00 a.m. – 3:00 p.m.	
Sunday, August 06, 2017	Concert	4:00 p.m.	4500
Friday, August 18, 2017	Concert	6:00 p.m.	3000
Sunday, August 20, 2017	Brunch on Wheels	10:00 a.m. – 3:00 p.m.	
Friday, August 25, 2017	Concert	6:00 p.m.	2000
Sunday, September 10, 2017	Wine, Women & Shoes	2:00 – 6:00 p.m.	1500
Saturday, September 16, 2017	Oktoberfest	1:00 p.m. – 8:00 p.m.	1000
Sunday, September 17, 2017	Brunch on wheels	10:00 a.m. – 3:00 p.m.	
Saturday, October 07, 2017	Bubblyfest	11:00 a.m. – 5:00 p.m.	1000
Saturday, October 28, 2017	Autumn Jam Concert	12:00 p.m. – 5:00 p.m.	1500
Saturday, November 04, 2017	SLO Vintner's harvest benefit	10:00 a.m. – 5:00 p.m.	2000
Saturday, November 11, 2017	Beach party concert	5:00 p.m.	3000
Friday, November 17, 2017	Concert	5:00 p.m.	5000

2017 Special Events Volumes (Average) by Direction

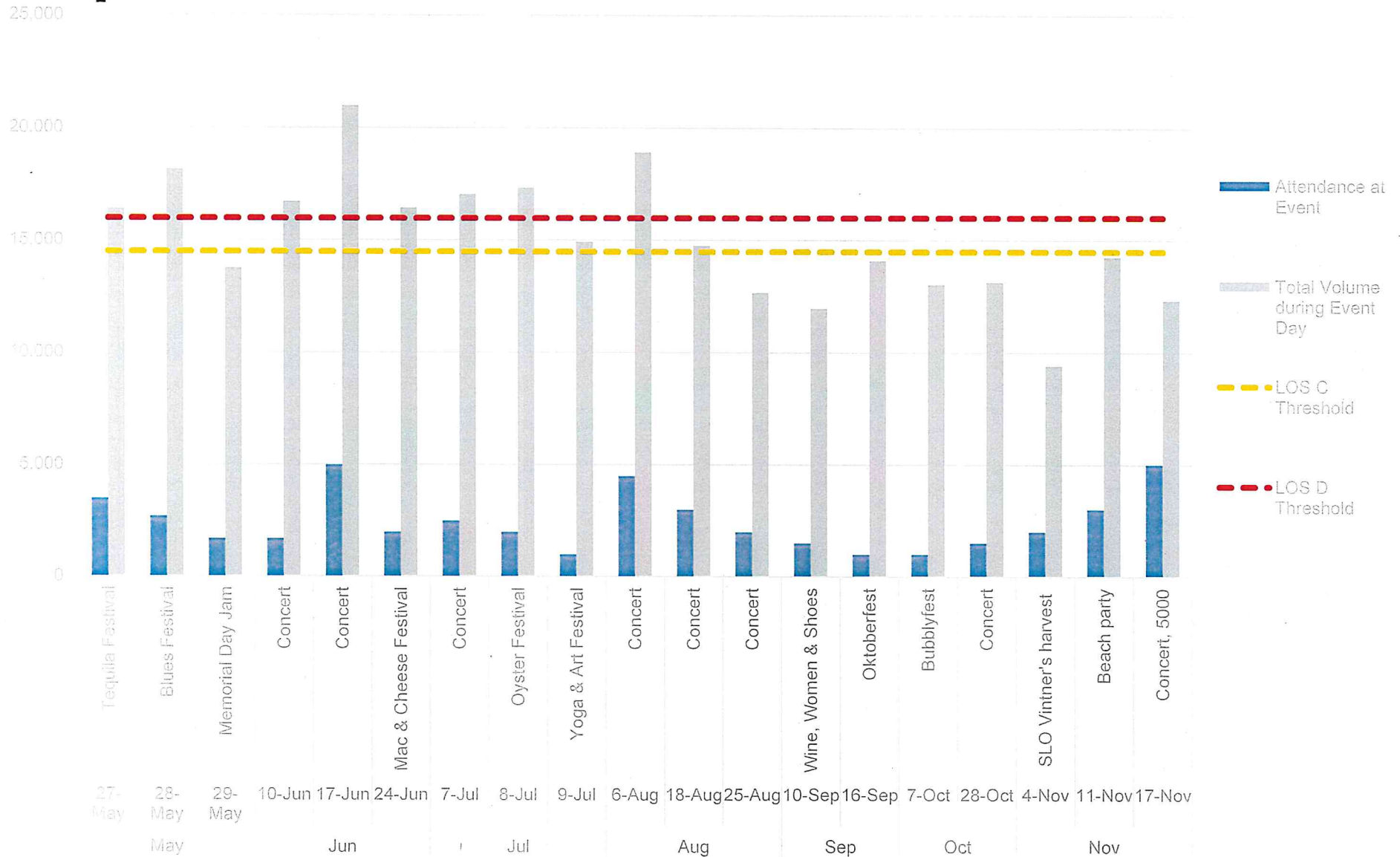


Concerts occur in the evening, High late night peak

Festivals occur mid-day

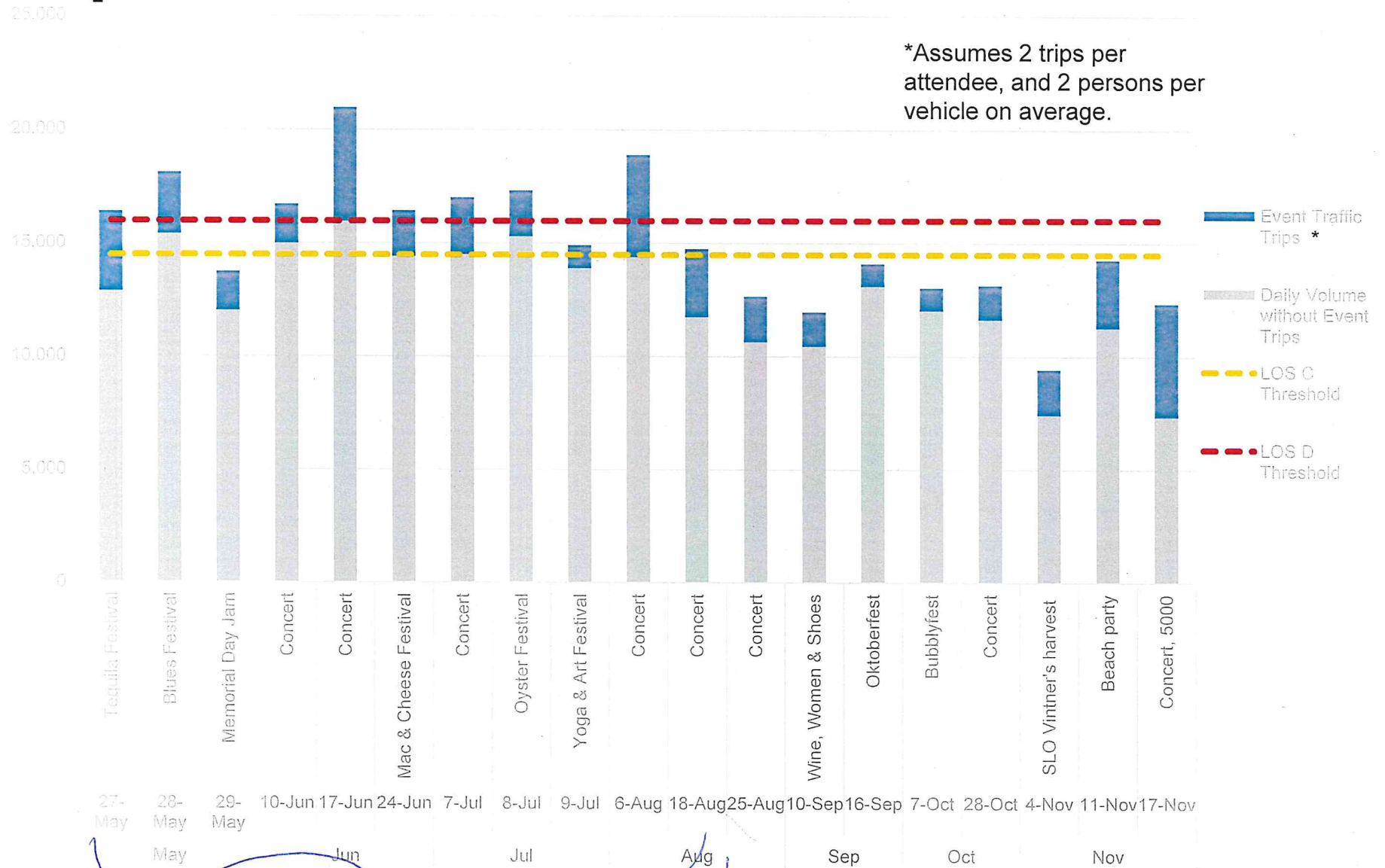


Special Events in Avila: Volume vs Attendance



No Event > 2000 between May 15th to Labor Day.

Special Events in Avila: 2017 Event Traffic



Beal Time

Good time.

What We Know

- Travel on Avila Beach Drive has been consistent over the past 3 years.
- Overall acceptable LOS appears to be maintained except during the summer, weekends, and special events.
- Existing design of Avila Beach Drive appear sufficient for now.



Photo by: Avila Beach Golf Resort

Special Events in Avila

- Concerts have evening peaks.
- Festivals tend to be mid-day with longer peaks similar to weekends.
- Both event types impact Avila Beach Drive depending on when they occur.
- Event management will be a part of the solution.

What We Need to Know

- Will planned growth create unacceptable impacts in the future?
- How can we best manage events to minimize impacts?
- What other improvements should we consider for emergency response?

Questions?



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Special Events in Avila: 2017 Event Traffic

Ridenstee

*Assumes 2 trips per attendee, and 2 persons per vehicle on average.

