

Stan Armstrong

From: Heather Dubois
Sent: Tuesday, June 16, 2015 5:42 PM
To: Stan Armstrong
Subject: FW: Ballona: Traffic report
Attachments: Ballona-Trip Generation.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

From: Janna Scott
Sent: Tuesday, June 16, 2015 5:41 PM
To: Heather Dubois; Terrance Wong
Cc: Jack Hutchison; Nick Garrity; Lindsey Sheehan; Kimberly D. Comacho; Terri Avila
Subject: FW: Ballona: Traffic report

Hi all,

Raju Associates' preliminary trip generation summaries are attached. We have reached out to Psomas for clarification of the truck employee data, but have not yet received a response.

PLEASE NOTE: the **construction horizon year is now 2019** and not 2017 as previously reported. I hope this change causes you at most minimal inconvenience. One of these days the details will stop shifting. Thanks for bearing with us until then.

We will keep you posted....

Thanks,
Janna

From: Chris Munoz [<mailto:Chris.Munoz@RajuAssociates.com>]
Sent: Tuesday, June 16, 2015 4:46 PM
To: Janna Scott
Cc: 'Srinath Raju'; Kimberly D. Comacho
Subject: RE: Ballona: Traffic report

Hi Janna,

Please find attached the (preliminary) trip generation summaries. Table A summarizes the total vehicle trips. As shown, July 2017 would have more vehicles than October 2019. However, once we apply the PCE (passenger car equivalent) factor to the trucks, October 2019 results in greater trip generation as shown in Table B. Therefore, the construction analysis should be 2019. Table C summarizes the trip generation estimates for the operational analysis. Please note that the trip generation may change depending on the response to my first question regarding the truck employees. As of now (reflected in the attached tables), we assumed that the truck employees are accounted for in the trucks numbers. Any change in trip generation will not change the 2019 analysis year which is dictated by the truck trip generation. Please let us know if you have any questions or concerns.

Thanks,

TABLE A
CONSTRUCTION TRAFFIC ESTIMATION - TOTAL VEHICLE TRIPS

July 2017

		Daily Trips
Workers*	747 workers/day	1,722
Total		1,722

*Assumes AVR of 1.44.

Source: Data provided by Psomas.

October 2019

		Daily Trips
Workers*	351 workers/day	809
Dump Trucks (soil export)	240 trucks/day	480
Total		1,289

*Assumes AVR of 1.44.

Source: Data provided by Psomas.

TABLE B
ESTIMATED TRIP GENERATION - CONSTRUCTION ACTIVITY

July 2017

	Daily	AM Peak Hour			PM Peak Hour		
		IN	OUT	TOTAL	IN	OUT	TOTAL
Construction Workers*	1,722	66	9	75	12	60	72

*Based on 747 workers and assumes AVR of 1.44.

October 2019

	Daily	AM Peak Hour			PM Peak Hour		
		IN	OUT	TOTAL	IN	OUT	TOTAL
Construction Workers*	809	31	4	35	6	28	34
Soil Export [1,2] (Truck Trips)	1,200	75	75	150	75	75	150
Total Trips	2,009	106	79	185	81	103	184

*Based on 351 workers and assumes AVR of 1.44.

[1] Assumes an average of 15 cubic yards (c.y.) of soil per truck haul with an average headway of 2 minutes between trucks leaving the site.

[2] Construction truck trips have been converted to Passenger Car Equivalents (PCEs) using a factor of 2.5.

TABLE C
ESTIMATED PROJECT TRIP GENERATION - WEEKDAY

	Size	Daily	AM Peak Hour			PM Peak Hour		
			IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project Ecological Reserve	600 acres	390	7	5	12	33	21	54
Project Trip Generation Total		390	7	5	12	33	21	54
Trip Rates [1] State Park/County Park (ITE Land Use 413/412)	Trips per acre	0.65	61%	39%	0.02	61%	39%	0.09

[1] Trip generation of the Ecological Reserve was estimated using county park and state park trip generation rates from ITE Trip Generation Manual, 9th Edition, 2012.