

**TRIP GENERATION STUDY  
WEST LOS ANGELES COLLEGE  
2009 FACILITIES MASTER PLAN**

**SPRING 2008 AND SPRING 2009**

## Introduction

In Spring 2008 and Spring 2009 traffic counts were undertaken at West Los Angeles College for the purposes of updating trip generation characteristics of the facility.

## Results

Table A summarizes the results of the study by comparing the existing (2004) and forecast (2022) trip generation shown in the 2005 FEIR with recent counts taken in Spring 2008 and Spring 2009 and projected trips for 2022 based on the 2009 Facilities Master Plan and the most recent student population forecasts and trip generation observations.

The student projections and trip generation data show the following:

- 2008 total student enrollment is not substantially higher than 2004 total student enrollment (only 3.6% higher); if on-line students are taken into account the on-campus student population is 15.5% less than the total student enrollment in 2004 (in fact there were on-line students in 2004 – although substantially less than today, so the actual decrease in on-campus students would be slightly less than this).
- While student enrollment is projected to be more than 18% higher than anticipated in the 2005 EIR, as a result of on-line learning the actual number of students anticipated to be on-campus in 2022 is projected to be 19% less than anticipated in the 2005 FEIR (the 2005 FEIR did not address on-line learning as it was a new phenomenon).
- As a result of decreased on-site population trip generation would be substantially reduced, except for am peak hour trips leaving the site which would remain approximately as projected in the 2005 EIR (a potential modest increase of 8 trips).
- The attached table also takes into account the 242,950 sf mixed-use project anticipated to be on the 10100 Jefferson site (as a cumulative project). Even without the trips attributed to this project, the on-campus generation of trips would be less than anticipated in the 2005 FEIR (except for am trips leaving the campus which would increase by 53 trips (although the total am peak hour trips both entering and leaving the campus would decrease by 471)).
- Student travel patterns are anticipated to remain similar to what was analyzed in the 2005 FEIR (see Figure).

Table B presents the results of the traffic counts for the dates of the actual counts.

## **Conclusions**

Since trip generation forecast for the year 2022 as a result of the 2009 Master Plan will be generally substantially less than anticipated in the 2005 FEIR, further analysis of intersections is not necessary since project-related traffic will generally be substantially less than forecast in the 2005 FEIR.

The 2005 FEIR anticipated the new Secondary Access Road (College Boulevard) to Jefferson and the trip distribution would remain approximately the same as analyzed in the 2005 FEIR.

The Exposition Light Rail line will provide regional transit access to Culver City (Phase I is anticipated to open in 2011 and Phase II as soon as 2015). As a result trip generation is anticipated to be even less than anticipated above.

It has been observed that parking demand at West Los Angeles College has been decreasing as an increasing number of students use transit. Parking demand is anticipated to further decrease with the opening of the Exposition Line. In keeping with State-wide planning objectives to reduce greenhouse gas emissions provision of parking should be carefully aligned with demand so that the College does not provide too much parking.

**TABLE A**  
**TRIP GENERATION RATES AND ESTIMATES FOR 2009 WEST LOS ANGELES COLLEGE**  
**FACILITIES MASTER PLAN**

	Total Student Enrollment [a] or Size	On Campus Enrollment [b]	Daily Total	Weekday Vehicle Trips (Peak Hour of Adjacent Street Traffic)					
				Total	AM Peak Hour (7:30 – 8:30 am)	PM Peak Hour (5=6 pm)		In	Out
<b>Approved Project – 2005 EIR [c]</b>			<b>1.41</b>	<b>0.10</b>	<b>91%</b>	<b>9%</b>	<b>0.09</b>	<b>69%</b>	<b>31%</b>
2005 FEIR Trip -- Estimate AY 2004	10,312	[e]	14,540	1,031	935	96	928	642	286
2005 FEIR Trip -- Estimate AY 2022	18,904	[e]	26,655	1,890	1,713	177	1,701	1,177	524
<b>2005 FEIR Net Increase in Enrollment 2004 to 2022</b>	<b>8,592</b>		<b>12,115</b>	<b>859</b>	<b>778</b>	<b>81</b>	<b>773</b>	<b>535</b>	<b>238</b>
FEIR Cumulative Project # 9 (10100 Jefferson) [d]	242,950 sf	NA	2,620	378	333	45	352	60	292
Total Enrollment Increase plus Cumulative Project #9	<b>8,592</b>	[e]	<b>14,735</b>	<b>1,237</b>	<b>1,111</b>	<b>126</b>	<b>1,125</b>	<b>595</b>	<b>530</b>
<b>West Los Angeles College Spring 2009 – Spring 2009 Average (see Table B)</b>			<b>1.33</b>	<b>0.09</b>	<b>78%</b>	<b>22%</b>	<b>0.08</b>	<b>54%</b>	<b>46%</b>
Existing AY 2008 - 2009	10,685	8,708	11,548	808	630	178	681	370	311
Future AY 2022 2009 Master Plan	22,360	15,300	20,291	1,419	1,107	312	1,197	650	547
Net Increase in Enrollment 2008/2009 to 2022	<b>11,675</b>	<b>8,592</b>	<b>8,742</b>	<b>611</b>	<b>477</b>	<b>134</b>	<b>516</b>	<b>280</b>	<b>236</b>
<b>2022 Difference -- 2005 FEIR compared to 2010 SEIR</b>	NA	<b>(3,604)</b>	<b>(5,933)</b>	<b>(626)</b>	<b>(634)</b>	<b>8</b>	<b>(609)</b>	<b>(315)</b>	<b>(294)</b>

Source: Fehr Peers April 2009

Notes:

- [a] – Total Student enrollment projections provided by WLAC
- [b] – On Campus Enrollment accounts for reduction due to off-campus courses
- [c] – WLAC trip generation rates as identified in the 2005 FEIR
- [d] -- Trip generation estimate taken from the 2005 WLAC FEIR cumulative projects list.
- [e] – On-campus enrollment assumed to be the same as total student enrollment

**TABLE B**  
**SUMMARY OF TRIP GENERATION DATA COLLECTED AT WLAC (SPRING 2008 - SPRING 2009)**  
**WEST LOS ANGELES COLLEGE FACILITIES MASTER PLAN UPDATE**

	Total Student Enrollment [a]	On-Campus Enrollment [b]	Weekday Vehicle Trips (Peak Hour of Adjacent Street Traffic)						
			Daily Total	AM Peak Hour (7:30-8:30 am)			PM Peak Hour (5-6 pm)		
				Total	In	Out	Total	In	Out
<b>West Los Angeles College</b>			1.15	0.09	84%	16%	0.07	66%	34%
2/27/08	10,615	8,920	10,264	937	787	150	726	479	247
2/28/08	10,615	8,920	9,964	877	728	149	651	371	280
10/1/08	10,780	8,786	11,322	970	796	175	647	446	201
10/6/08	10,780	8,786	10,843	996	807	189	769	446	323
10/7/08	10,780	8,786	10,785	913	767	146	646	368	278
10/8/08	10,780	8,786	10,545	975	790	185	733	462	271
4/20/09	10,685	8,708	12,893	874	612	262	899	414	485
4/21/09	10,685	8,708	14,037	935	664	271	884	398	486
4/22/09	10,685	8,708	13,220	841	597	244	851	349	502
4/23/09	10,685	8,708	12,478	824	602	222	789	323	466
<b>Spring 2008 - Spring 2009 Average</b>			<b>1.33</b>	<b>0.09</b>	<b>78%</b>	<b>22%</b>	<b>0.08</b>	<b>54%</b>	<b>46%</b>

Notes:

[a] - Total student enrollment/projections provided by WLAC.

[b] - On-campus enrollment accounts for reduction due to off-campus courses.

