

University of California of Los Angeles Student Chapter  
Institute of Transportation Engineers

**Trip Distribution for Urban Residential Developments**

Abstract

The ITE Student Chapter at UCLA conducted this data collection project in order to analyze trip generation and parking demand patterns in urban residential developments. Since current data in the *ITE Trip Generation, Seventh Edition* is reflective of residential developments primarily in a suburban environment, the data may not accurately represent trip generation levels for urban areas.

Before the study, the UCLA Student Chapter hypothesized that fewer trips will be generated within an urban environment due to the presence of alternate modes of transportation (i.e. public transit, walking, etc.). Since fewer automobile trips are made, there should be less parking and perhaps even lower automobile ownership.

In order to evaluate the above hypothesis, the inbound and outbound trips of three residential development (two condos and one apartment complex) parking structures were counted during a weekday. The counts were recorded every fifteen minutes during the AM and PM peak hours of 7:00am – 9:00am and 4:00pm – 6:00pm. Daily inbound and outbound traffic counts were also taken, as well as hourly traffic parking occupancy counts for the entire day.

The three residential complexes chosen were relatively new (less than five years old) but successful developments in that they were fully occupied. Two of the projects were four-storey condo/town house developments located in Playa Vista, a new urban infill project with on-site amenities and a relatively dense collection of mid-rise residential buildings. Playa Vista is served by bus lines from Culver City and Santa Monica. It has a limited number of on-site restaurants and retail shops (with more planned) and an on-site club house/recreation center.

One large apartment project was selected in downtown Long Beach. This 538-unit project is well served by transit with light rail service located within one block and multiple regional bus lines located right in front of the project.

The results of the data collection are summarized in the attached table. The results were, in fact, consistent with the initial hypothesis of a lower rate within an urban environment. The three sites did have lower overall trip generation rates, with the morning peak hours slightly lower than the *ITE Trip Generation, Seventh Edition* average rates for both mid-rise apartments and high-rise condos.

The afternoon peak hour rates for condo Sites 2 & 3 were substantially lower than the national average. These sites were recounted with similar results, indicating that perhaps these residents returned later than the evening peak hour or they stopped off at one of the restaurants, health clubs, or retail shops within the development or nearby area.

Parking accumulation counts and average daily traffic counts will be obtained within the next two weeks and will be submitted as soon as they are available.

**TRIP GENERATION RATES**  
**URBAN MID-RISE APARTMENTS LU CODE 223**  
**URBAN HIGH-RISE CONDO/TOWN HOUSES LU CODE 232**

SITE	LAND USE CODE	DWELLING UNITS	PEAK HOUR OF ADJACENT STREET TRAFFIC				PEAK HOUR OF GENERATOR			
			AM		PM		AM		PM	
			TRIPS	RATE	TRIPS	RATE	TRIPS	RATE	TRIPS	RATE
<b>APARTMENT</b>										
ITE TRIP GENERATION	223			<b>0.30</b>		<b>0.39</b>		<b>0.35</b>		<b>0.44</b>
LONG BEACH	223	538	156	<b>0.29</b>	151	<b>0.28</b>	156	<b>0.29</b>	155	<b>0.29</b>
<b>CONDO</b>										
ITE TRIP GENERATION	232			<b>0.34</b>		<b>0.38</b>		<b>0.34</b>		<b>0.38</b>
PLAYA VISTA 1	232	135	32	<b>0.24</b>	22	<b>0.16</b>	37	<b>0.27</b>	22	<b>0.16</b>
PLAYA VISTA 2	232	129	27	<b>0.21</b>	21	<b>0.16</b>	31	<b>0.24</b>	21	<b>0.16</b>

Source: UCLA ITE Student Chapter  
 Field Data Collection Results  
 2-Jun-08

# Trip Generation Data Form (Part 1)

[SITE 1]

Land Use/Building Type: <sup>1</sup> <b>MID - RISE APARTMENTS</b>	ITE Land Use Code: <b>223</b>
Source: <b>FIELD OBSERVATIONS</b>	Source No. (ITE use only)
Name of Development: <b>CAMPDEN HARBOR VIEW APARTMENTS</b>	Day of the Week: <b>WEDNESDAY</b>
City: <b>LONG BEACH</b> State/Province: <b>CA</b> Zip/Postal Code: <b>90802</b>	Day: <b>26</b> Month: <b>MARCH</b> Year: <b>2008</b>
Country: <b>UNITED STATES</b>	Metropolitan Area:

1. For fast-food land use, please specify if hamburger- or nonhamburger-based.

<p>Location Within Area:</p> <p><input type="checkbox"/> (1) CBD                      <input type="checkbox"/> (3) Suburban (Non-CBD)                      <input type="checkbox"/> (5) Rural</p> <p><input checked="" type="checkbox"/> (2) Urban (Non-CBD)                      <input type="checkbox"/> (4) Suburban CBD                      <input type="checkbox"/> (6) Freeway Interchange Area (Rural)</p> <p><input type="checkbox"/> (7) Not Given</p>	Detailed Description of Development: <sup>3</sup>																																																																		
<p>Independent Variable: (include data for as many as possible)<sup>2</sup></p> <table border="1"> <thead> <tr> <th></th> <th>Actual</th> <th>Estimated</th> <th></th> <th>Actual</th> <th>Estimated</th> </tr> </thead> <tbody> <tr> <td>_____ (1) Employees (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (10) Parking Spaces (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (2) Persons (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (11) Occupied Beds (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><b>538</b> (3) Units (#)</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (12) Seats (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (4) Occupied Units (#)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (13) Servicing Positions/Vehicle Fueling Positions _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (5) Gross Floor Area (gross sq. ft.)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (14) Shopping Center % Out-parcels/pads</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (% of development occupied _____)</td> <td></td> <td></td> <td>_____ (15) A.M. Peak Hour Volume of Adjacent Street Traffic</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (6) Net Rentable Area (sq. ft.)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (16) P.M. Peak Hour Volume of Adjacent Street Traffic</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (7) Gross Leasable Area (sq. ft.)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (17) Other _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (8) Occupied Gross Leasable Area (sq. ft.)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>_____ (18) Other _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>_____ (9) Acres</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Actual	Estimated		Actual	Estimated	_____ (1) Employees (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (10) Parking Spaces (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (2) Persons (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (11) Occupied Beds (#)	<input type="checkbox"/>	<input type="checkbox"/>	<b>538</b> (3) Units (#)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____ (12) Seats (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (4) Occupied Units (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (13) Servicing Positions/Vehicle Fueling Positions _____	<input type="checkbox"/>	<input type="checkbox"/>	_____ (5) Gross Floor Area (gross sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (14) Shopping Center % Out-parcels/pads	<input type="checkbox"/>	<input type="checkbox"/>	_____ (% of development occupied _____)			_____ (15) A.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>	_____ (6) Net Rentable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (16) P.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>	_____ (7) Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (17) Other _____	<input type="checkbox"/>	<input type="checkbox"/>	_____ (8) Occupied Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (18) Other _____	<input type="checkbox"/>	<input type="checkbox"/>	_____ (9) Acres	<input type="checkbox"/>	<input type="checkbox"/>				
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2. Definitions for several independent variables can be found in the *Trip Generation Handbook* Glossary.

3. Please provide all pertinent information that helps to describe the subject project. If necessary, attach a detailed report.

<p>Other Data:</p> <p>Vehicle Occupancy (#)</p> <p>_____ A.M. _____ P.M. _____ 24-hour %</p> <p>Percent by Transit:</p> <p>_____ A.M. % _____ P.M. % _____ 24-hour %</p> <p>Percent by Carpool/Vanpool:</p> <p>_____ A.M. % _____ P.M. % _____ 24-hour %</p> <p>Employees by Shift:</p> <table border="1"> <tr> <td>First Shift:</td> <td>Start Time _____</td> <td>End Time _____</td> <td>Employees (#) _____</td> </tr> <tr> <td>Second Shift:</td> <td>Start Time _____</td> <td>End Time _____</td> <td>Employees (#) _____</td> </tr> <tr> <td>Third Shift:</td> <td>Start Time _____</td> <td>End Time _____</td> <td>Employees (#) _____</td> </tr> </table> <p>Parking Cost on Site: Hourly _____ Daily _____</p>	First Shift:	Start Time _____	End Time _____	Employees (#) _____	Second Shift:	Start Time _____	End Time _____	Employees (#) _____	Third Shift:	Start Time _____	End Time _____	Employees (#) _____	<p>Transportation Demand Management (TDM) Information:</p> <p>At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway?</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes (If yes, please check appropriate box/boxes, describe the nature of the TDM program(s) and provide a source for any studies that may help quantify this impact. Attach additional sheets if necessary)</p> <table border="1"> <tr> <td><input type="checkbox"/> (1) Transit Service</td> <td><input type="checkbox"/> (5) Employer Support Measures</td> <td><input type="checkbox"/> (9) Tolls and Congestion Pricing</td> </tr> <tr> <td><input type="checkbox"/> (2) Carpool Programs</td> <td><input type="checkbox"/> (6) Preferential HOV Treatments</td> <td><input type="checkbox"/> (10) Variable Work Hours/Compressed Work Weeks</td> </tr> <tr> <td><input type="checkbox"/> (3) Vanpool Programs</td> <td><input type="checkbox"/> (7) Transit and Ridesharing Incentives</td> <td><input type="checkbox"/> (11) Telecommuting</td> </tr> <tr> <td><input type="checkbox"/> (4) Bicycle/Pedestrian Facilities and Site Improvements</td> <td><input type="checkbox"/> (8) Parking Supply and Pricing Management</td> <td><input type="checkbox"/> (12) Other _____</td> </tr> </table>	<input type="checkbox"/> (1) Transit Service	<input type="checkbox"/> (5) Employer Support Measures	<input type="checkbox"/> (9) Tolls and Congestion Pricing	<input type="checkbox"/> (2) Carpool Programs	<input type="checkbox"/> (6) Preferential HOV Treatments	<input type="checkbox"/> (10) Variable Work Hours/Compressed Work Weeks	<input type="checkbox"/> (3) Vanpool Programs	<input type="checkbox"/> (7) Transit and Ridesharing Incentives	<input type="checkbox"/> (11) Telecommuting	<input type="checkbox"/> (4) Bicycle/Pedestrian Facilities and Site Improvements	<input type="checkbox"/> (8) Parking Supply and Pricing Management	<input type="checkbox"/> (12) Other _____
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Please Complete Form on Other Side

# ITE Institute of Transportation Engineers

## Trip Generation Data Form (Part 2)

**Summary of Driveway Volumes**

(All = All Vehicles Counted, Including Trucks; Trucks = Heavy Duty Trucks and Buses)

[DRIVEWAY 1]

	Average Weekday (M-F)						Saturday						Sunday					
	Enter		Exit		Total		Enter		Exit		Total		Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks
24-Hour Volume																		
A.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (7 - 9) Time (ex.: 7:15 - 8:15):																		
P.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (4 - 6) Time:																		
A.M. Peak Hour Generator <sup>2</sup> Time: 7:30 - 8:30	11		41		52													
P.M. Peak Hour Generator <sup>2</sup> Time: 4:45 - 5:45	46		8		54													
Peak Hour Generator <sup>3</sup> Time (Weekend):																		

1. Highest hourly volume between 7 AM and 9 AM (4 PM and 6 PM).
  2. Highest hourly volume during the AM or PM period.
  3. Highest hourly volume during the entire day.
- Please refer to the *Trip Generation User's Guide* for full definition of the terms.

**Hourly Driveway Volumes- Average Weekday (M-F)**

A.M. Period	Enter		Exit		Total		Mid-Day Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
6:00-7:00							11:00-12:00							3:00-4:00						
6:15-7:15							11:15-12:15							3:15-4:15						
6:30-7:30							11:30-12:30							3:30-4:30						
6:45-7:45							11:45-12:45							3:45-4:45						
7:00-8:00	6		41		47		12:00-1:00							4:00-5:00	24		8		32	
7:15-8:15	10		40		50		12:15-1:15							4:15-5:15	33		7		40	
7:30-8:30	11		41		52		12:30-1:30							4:30-5:30	42		8		50	
7:45-8:45	12		33		45		12:45-1:45							4:45-5:45	46		8		54	
8:00-9:00	16		31		47		1:00-2:00							5:00-6:00	40		8		48	

Check if Part 3 and/or additional information is attached.

Survey conducted by: Name: AUDREY NAVAL  
 Organization: ITE @ UCLA  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please return to:

Institute of Transportation Engineers  
 Technical Projects Division  
 1099 14th Street, NW, Suite 300 West  
 Washington, DC 20005-3438 USA  
 Telephone: +1 202-289-0222  
 FAX: +1 202-289-7722  
 ITE on the Web: www.ite.org

**Trip Generation Data Form (Part 3)**

LOS ANGELES, CA

Name/Organization: AUDREY NAVAL / ITE @ UCLA City/State: \_\_\_\_\_

Telephone Number: 562.547.8630 [BENEWAY I]

Detailed Driveway Volumes: Attach this sheet to Parts 1 and 2 if you are providing additional information.

Day of the week: WEDNESDAY

(All = All Vehicles Counted, Except Trucks; Trucks = Heavy Duty Trucks and Buses)

A.M. Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
12:00-12:15							12:00-12:15						
12:15-12:30							12:15-12:30						
12:30-12:45							12:30-12:45						
12:45-1:00							12:45-1:00						
1:00-1:15							1:00-1:15						
1:15-1:30							1:15-1:30						
1:30-1:45							1:30-1:45						
1:45-2:00							1:45-2:00						
2:00-2:15							2:00-2:15						
2:15-2:30							2:15-2:30						
2:30-2:45							2:30-2:45						
2:45-3:00							2:45-3:00						
3:00-3:15							3:00-3:15						
3:15-3:30							3:15-3:30						
3:30-3:45							3:30-3:45						
3:45-4:00							3:45-4:00						
4:00-4:15							4:00-4:15	5		4		9	
4:15-4:30							4:15-4:30	4		2		6	
4:30-4:45							4:30-4:45	5		1		6	
4:45-5:00							4:45-5:00	10		1		11	
5:00-5:15							5:00-5:15	14		3		17	
5:15-5:30							5:15-5:30	13		3		16	
5:30-5:45							5:30-5:45	9		1		10	
5:45-6:00							5:45-6:00	4		1		5	
6:00-6:15							6:00-6:15						
6:15-6:30							6:15-6:30						
6:30-6:45							6:30-6:45						
6:45-7:00							6:45-7:00						
7:00-7:15	0		12		12		7:00-7:15						
7:15-7:30	2		8		10		7:15-7:30						
7:30-7:45	3		13		16		7:30-7:45						
7:45-8:00	1		8		9		7:45-8:00						
8:00-8:15	4		11		15		8:00-8:15						
8:15-8:30	3		9		12		8:15-8:30						
8:30-8:45	4		5		9		8:30-8:45						
8:45-9:00	5		6		11		8:45-9:00						
9:00-9:15							9:00-9:15						
9:15-9:30							9:15-9:30						
9:30-9:45							9:30-9:45						
9:45-10:00							9:45-10:00						
10:00-10:15							10:00-10:15						
10:15-10:30							10:15-10:30						
10:30-10:45							10:30-10:45						
10:45-11:00							10:45-11:00						
11:00-11:15							11:00-11:15						
11:15-11:30							11:15-11:30						
11:30-11:45							11:30-11:45						
11:45-12:00							11:45-12:00						

**ITE** Institute of Transportation Engineers  
**Trip Generation Data Form (Part 2)**

Summary of Driveway Volumes

(All = All Vehicles Counted, Including Trucks; Trucks = Heavy Duty Trucks and Buses)

[DRIVEWAY 2]

	Average Weekday (M-F)						Saturday						Sunday					
	Enter		Exit		Total		Enter		Exit		Total		Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks
24-Hour Volume																		
A.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (7 - 9) Time (ex.: 7:15 - 8:15):																		
P.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (4 - 6) Time:																		
A.M. Peak Hour Generator <sup>2</sup> Time: 7:15 - 8:15	0		17		17													
P.M. Peak Hour Generator <sup>2</sup> Time: 4:15 - 5:15	11		4		15													
Peak Hour Generator <sup>2</sup> Time (Weekend):																		

- Highest hourly volume between 7 AM and 9 AM (4 PM and 6 PM).
  - Highest hourly volume during the AM or PM period.
  - Highest hourly volume during the entire day.
- Please refer to the *Trip Generation User's Guide* for full definition of the terms.

Hourly Driveway Volumes- Average Weekday (M-F)

A.M. Period	Enter		Exit		Total		Mid-Day Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
6:00-7:00							11:00-12:00							3:00-4:00						
6:15-7:15							11:15-12:15							3:15-4:15						
6:30-7:30							11:30-12:30							3:30-4:30						
6:45-7:45							11:45-12:45							3:45-4:45						
7:00-8:00	0		15		15		12:00-1:00							4:00-5:00	8		3		11	
7:15-8:15	0		17		17		12:15-1:15							4:15-5:15	11		4		15	
7:30-8:30	0		12		12		12:30-1:30							4:30-5:30	11		3		14	
7:45-8:45	2		14		16		12:45-1:45							4:45-5:45	9		2		11	
8:00-9:00	2		15		17		1:00-2:00							5:00-6:00	5		1		6	

Check if Part 3 and/or additional information is attached.

Survey conducted by: Name: ADRIAN KEITH  
 Organization: ITE @ UCLA  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please return to:

Institute of Transportation Engineers  
 Technical Projects Division  
 1099 14th Street, NW, Suite 300 West  
 Washington, DC 20005-3438 USA  
 Telephone: +1 202-289-0222  
 FAX: +1 202-289-7722  
 ITE on the Web: www.ite.org

**Trip Generation Data Form (Part 3)**

Name/Organization: ADRIAN KEITH / ITE @ UCLA

City/State: LOS ANGELES, CA

Telephone Number: 562.857.3288

[DRNEWAY 2]

Detailed Driveway Volumes: Attach this sheet to Parts 1 and 2 if you are providing additional information.

Day of the week: WEDNESDAY

(All = All Vehicles Counted, Except Trucks; Trucks = Heavy Duty Trucks and Buses)

A.M. Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
12:00-12:15							12:00-12:15						
12:15-12:30							12:15-12:30						
12:30-12:45							12:30-12:45						
12:45-1:00							12:45-1:00						
1:00-1:15							1:00-1:15						
1:15-1:30							1:15-1:30						
1:30-1:45							1:30-1:45						
1:45-2:00							1:45-2:00						
2:00-2:15							2:00-2:15						
2:15-2:30							2:15-2:30						
2:30-2:45							2:30-2:45						
2:45-3:00							2:45-3:00						
3:00-3:15							3:00-3:15						
3:15-3:30							3:15-3:30						
3:30-3:45							3:30-3:45						
3:45-4:00							3:45-4:00						
4:00-4:15							4:00-4:15	1		0		1	
4:15-4:30							4:15-4:30	1		1		2	
4:30-4:45							4:30-4:45	2		1		3	
4:45-5:00							4:45-5:00	4		1		5	
5:00-5:15							5:00-5:15	4		1		5	
5:15-5:30							5:15-5:30	1		0		1	
5:30-5:45							5:30-5:45	0		0		0	
5:45-6:00							5:45-6:00	0		0		0	
6:00-6:15							6:00-6:15						
6:15-6:30							6:15-6:30						
6:30-6:45							6:30-6:45						
6:45-7:00							6:45-7:00						
7:00-7:15	0		3		3		7:00-7:15						
7:15-7:30	0		7		7		7:15-7:30						
7:30-7:45	0		4		4		7:30-7:45						
7:45-8:00	0		1		1		7:45-8:00						
8:00-8:15	0		5		5		8:00-8:15						
8:15-8:30	0		2		2		8:15-8:30						
8:30-8:45	2		6		8		8:30-8:45						
8:45-9:00	0		2		2		8:45-9:00						
9:00-9:15							9:00-9:15						
9:15-9:30							9:15-9:30						
9:30-9:45							9:30-9:45						
9:45-10:00							9:45-10:00						
10:00-10:15							10:00-10:15						
10:15-10:30							10:15-10:30						
10:30-10:45							10:30-10:45						
10:45-11:00							10:45-11:00						
11:00-11:15							11:00-11:15						
11:15-11:30							11:15-11:30						
11:30-11:45							11:30-11:45						
11:45-12:00							11:45-12:00						

**ITE** Institute of Transportation Engineers  
**Trip Generation Data Form (Part 2)**

Summary of Driveway Volumes

(All = All Vehicles Counted, Including Trucks; Trucks = Heavy Duty Trucks and Buses)

[DRIVEWAY 3]

	Average Weekday (M-F)						Saturday						Sunday					
	Enter		Exit		Total		Enter		Exit		Total		Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks
24-Hour Volume																		
A.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (7 - 9) Time (ex.: 7:15 - 8:15):																		
P.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (4 - 6) Time:																		
A.M. Peak Hour Generator <sup>2</sup> Time: 7:45 - 8:45	8		86		94													
P.M. Peak Hour Generator <sup>2</sup> Time: 5:00 - 6:00	75		22		97													
Peak Hour Generator <sup>3</sup> Time (Weekend):																		

- Highest hourly volume between 7 AM and 9 AM (4 PM and 6 PM).
  - Highest hourly volume during the AM or PM period.
  - Highest hourly volume during the entire day.
- Please refer to the *Trip Generation User's Guide* for full definition of the terms.

Hourly Driveway Volumes- Average Weekday (M-F)

A.M. Period	Enter		Exit		Total		Mid-Day Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
6:00-7:00							11:00-12:00							3:00-4:00						
6:15-7:15							11:15-12:15							3:15-4:15						
6:30-7:30							11:30-12:30							3:30-4:30						
6:45-7:45							11:45-12:45							3:45-4:45						
7:00-8:00	7		81		88		12:00-1:00							4:00-5:00	49		17		66	
7:15-8:15	8		77		85		12:15-1:15							4:15-5:15	58		19		77	
7:30-8:30	8		84		92		12:30-1:30							4:30-5:30	68		19		87	
7:45-8:45	8		86		94		12:45-1:45							4:45-5:45	71		19		90	
8:00-9:00	9		78		87		1:00-2:00							5:00-6:00	75		22		97	

Check if Part 3 and/or additional information is attached.

Survey conducted by: Name: MITESH PATEL / JONATHAN TID  
 Organization: ITE UCLA  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please return to:

Institute of Transportation Engineers  
 Technical Projects Division  
 1099 14th Street, NW, Suite 300 West  
 Washington, DC 20005-3438 USA  
 Telephone: +1 202-289-0222  
 FAX: +1 202-289-7722  
 ITE on the Web: www.ite.org



**Trip Generation Data Form (Part 3)**

Name/Organization: MITESH PATEL / JONATHAN TID / ITE @ UCLA City/State: LOS ANGELES, CA

Telephone Number: 714.552.7619 / 714.488.0649

[DRNEWAY 3]

Detailed Driveway Volumes: Attach this sheet to Parts 1 and 2 if you are providing additional information.

Day of the week: WEDNESDAY

(All = All Vehicles Counted, Except Trucks; Trucks = Heavy Duty Trucks and Buses)

A.M. Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
12:00-12:15							12:00-12:15						
12:15-12:30							12:15-12:30						
12:30-12:45							12:30-12:45						
12:45-1:00							12:45-1:00						
1:00-1:15							1:00-1:15						
1:15-1:30							1:15-1:30						
1:30-1:45							1:30-1:45						
1:45-2:00							1:45-2:00						
2:00-2:15							2:00-2:15						
2:15-2:30							2:15-2:30						
2:30-2:45							2:30-2:45						
2:45-3:00							2:45-3:00						
3:00-3:15							3:00-3:15						
3:15-3:30							3:15-3:30						
3:30-3:45							3:30-3:45						
3:45-4:00							3:45-4:00						
4:00-4:15							4:00-4:15	10	5			15	
4:15-4:30							4:15-4:30	13	4			17	
4:30-4:45							4:30-4:45	12	5			17	
4:45-5:00							4:45-5:00	14	3			17	
5:00-5:15							5:00-5:15	19	7			26	
5:15-5:30							5:15-5:30	23	4			27	
5:30-5:45							5:30-5:45	15	5			20	
5:45-6:00							5:45-6:00	18	6			24	
6:00-6:15							6:00-6:15						
6:15-6:30							6:15-6:30						
6:30-6:45							6:30-6:45						
6:45-7:00							6:45-7:00						
7:00-7:15	2		21		23		7:00-7:15						
7:15-7:30	1		18		19		7:15-7:30						
7:30-7:45	2		18		20		7:30-7:45						
7:45-8:00	2		24		26		7:45-8:00						
8:00-8:15	3		17		20		8:00-8:15						
8:15-8:30	1		25		26		8:15-8:30						
8:30-8:45	2		20		22		8:30-8:45						
8:45-9:00	3		16		19		8:45-9:00						
9:00-9:15							9:00-9:15						
9:15-9:30							9:15-9:30						
9:30-9:45							9:30-9:45						
9:45-10:00							9:45-10:00						
10:00-10:15							10:00-10:15						
10:15-10:30							10:15-10:30						
10:30-10:45							10:30-10:45						
10:45-11:00							10:45-11:00						
11:00-11:15							11:00-11:15						
11:15-11:30							11:15-11:30						
11:30-11:45							11:30-11:45						
11:45-12:00							11:45-12:00						

**Trip Generation Data Form (Part 1)**

[PLAYA VISTA 17]

Land Use/Building Type: <sup>1</sup> <b>HIGH-RISE CONDOS</b>	ITE Land Use Code: <b>232</b>		
Source: <b>FIELD OBSERVATIONS</b>	Source No. (ITE use only):		
Name of Development: <b>WATER STONE CONDOS</b>	Day of the Week: <b>THURSDAY / FRIDAY</b>		
City: <b>PLAYA VISTA</b> State/Province: <b>CA</b> Zip/Postal Code: <b>90094</b>	Day: <b>27 / 30</b> Month: <b>MAR / MAY</b> Year: <b>2008</b>		
Country: <b>UNITED STATES</b>	Metropolitan Area:		

1. For fast-food land use, please specify if hamburger- or nonhamburger-based.

<b>Location Within Area:</b> <input type="checkbox"/> (1) CBD <input type="checkbox"/> (3) Suburban (Non-CBD) <input type="checkbox"/> (5) Rural <input checked="" type="checkbox"/> (2) Urban (Non-CBD) <input type="checkbox"/> (4) Suburban CBD <input type="checkbox"/> (6) Freeway Interchange Area (Rural) <input type="checkbox"/> (7) Not Given				<b>Detailed Description of Development:<sup>3</sup></b>	
<b>Independent Variable: (include data for as many as possible)<sup>2</sup></b>		Actual	Estimated	Actual	Estimated
_____ (1) Employees (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (10) Parking Spaces (#)	<input type="checkbox"/>	<input type="checkbox"/>
_____ (2) Persons (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (11) Occupied Beds (#)	<input type="checkbox"/>	<input type="checkbox"/>
<b>135</b> (3) Units (#)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____ (12) Seats (#)	<input type="checkbox"/>	<input type="checkbox"/>
_____ (4) Occupied Units (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (13) Servicing Positions/Vehicle Fueling Positions _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (5) Gross Floor Area (gross sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (14) Shopping Center % Out-parcels/pads	<input type="checkbox"/>	<input type="checkbox"/>
_____ (% of development occupied _____)			_____ (15) A.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>
_____ (6) Net Rentable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (16) P.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>
_____ (7) Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (17) Other _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (8) Occupied Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (18) Other _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (9) Acres	<input type="checkbox"/>	<input type="checkbox"/>			

2. Definitions for several independent variables can be found in the *Trip Generation Handbook* Glossary.

3. Please provide all pertinent information that helps to describe the subject project. If necessary, attach a detailed report.

<b>Other Data:</b> Vehicle Occupancy (#) _____ A.M. _____ P.M. _____ 24-hour % Percent by Transit: _____ A.M. % _____ P.M. % _____ 24-hour % Percent by Carpool/Vanpool: _____ A.M. % _____ P.M. % _____ 24-hour % Employees by Shift: First Shift: Start Time _____ End Time _____ Employees (#) _____ Second Shift: Start Time _____ End Time _____ Employees (#) _____ Third Shift: Start Time _____ End Time _____ Employees (#) _____ Parking Cost on Site: Hourly _____ Daily _____		<b>Transportation Demand Management (TDM) Information:</b> At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please check appropriate box/boxes, describe the nature of the TDM program(s) and provide a source for any studies that may help quantify this impact. Attach additional sheets if necessary) <input type="checkbox"/> (1) Transit Service <input type="checkbox"/> (5) Employer Support Measures <input type="checkbox"/> (9) Tolls and Congestion Pricing <input type="checkbox"/> (2) Carpool Programs <input type="checkbox"/> (6) Preferential HOV Treatments <input type="checkbox"/> (10) Variable Work Hours/Compressed Work Weeks <input type="checkbox"/> (3) Vanpool Programs <input type="checkbox"/> (7) Transit and Ridesharing Incentives <input type="checkbox"/> (11) Telecommuting <input type="checkbox"/> (4) Bicycle/Pedestrian Facilities and Site Improvements <input type="checkbox"/> (8) Parking Supply and Pricing Management <input type="checkbox"/> (12) Other _____	
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# ite Institute of Transportation Engineers Trip Generation Data Form (Part 2)

## Summary of Driveway Volumes

(All = All Vehicles Counted, Including Trucks; Trucks = Heavy Duty Trucks and Buses)

	Average Weekday (M-F)						Saturday						Sunday					
	Enter		Exit		Total		Enter		Exit		Total		Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks
24-Hour Volume																		
A.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (7 - 9) Time (ex.: 7:15 - 8:15):																		
P.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (4 - 6) Time:																		
A.M. Peak Hour Generator <sup>2</sup> Time: <b>7:45 - 8:45</b>	<b>1</b>		<b>36</b>		<b>37</b>													
P.M. Peak Hour Generator <sup>2</sup> Time: <b>4:45 - 5:45</b>	<b>17</b>		<b>3</b>		<b>20</b>													
Peak Hour Generator <sup>3</sup> Time (Weekend):																		

1. Highest hourly volume between 7 AM and 9 AM (4 PM and 6 PM).
  2. Highest hourly volume during the AM or PM period.
  3. Highest hourly volume during the entire day.
- Please refer to the *Trip Generation User's Guide* for full definition of the terms.

## Hourly Driveway Volumes- Average Weekday (M-F)

A.M. Period	Enter		Exit		Total		Mid-Day Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
6:00-7:00							11:00-12:00							3:00-4:00						
6:15-7:15							11:15-12:15							3:15-4:15						
6:30-7:30							11:30-12:30							3:30-4:30						
6:45-7:45							11:45-12:45							3:45-4:45						
7:00-8:00	<b>2</b>		<b>20</b>		<b>22</b>		12:00-1:00							4:00-5:00	<b>4</b>		<b>3</b>		<b>7</b>	
7:15-8:15	<b>3</b>		<b>26</b>		<b>29</b>		12:15-1:15							4:15-5:15	<b>7</b>		<b>2</b>		<b>9</b>	
7:30-8:30	<b>3</b>		<b>29</b>		<b>32</b>		12:30-1:30							4:30-5:30	<b>9</b>		<b>2</b>		<b>11</b>	
7:45-8:45	<b>1</b>		<b>36</b>		<b>37</b>		12:45-1:45							4:45-5:45	<b>10</b>	<b>(17)</b>	<b>2</b>	<b>(3)</b>	<b>12</b>	<b>(20)</b>
8:00-9:00	<b>1</b>		<b>34</b>		<b>35</b>		1:00-2:00							5:00-6:00	<b>9</b>	<b>(12)</b>	<b>3</b>	<b>(4)</b>	<b>12</b>	<b>(16)</b>

Check if Part 3 and/or additional information is attached.

Survey conducted by: Name: JEFF LI / KEVIN CSUPAK  
 Organization: ITE @ UCLA  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please return to:

Institute of Transportation Engineers  
 Technical Projects Division  
 1099 14th Street, NW, Suite 300 West  
 Washington, DC 20005-3438 USA  
 Telephone: +1 202-289-0222  
 FAX: +1 202-289-7722  
 ITE on the Web: www.ite.org

Trip Generation Data Form (Part 3)

Name/Organization: JEFF LI / KEVIN CSUPAK / ITE @ UCLA City/State: LOS ANGELES, CA  
 Telephone Number: 909.720.2121 / 805.708.1116 WATERSTONE

Detailed Driveway Volumes: Attach this sheet to Parts 1 and 2 if you are providing additional information.

Day of the week: THURSDAY / FRIDAY

(All = All Vehicles Counted, Except Trucks; Trucks = Heavy Duty Trucks and Buses)

A.M. Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
12:00-12:15							12:00-12:15						
12:15-12:30							12:15-12:30						
12:30-12:45							12:30-12:45						
12:45-1:00							12:45-1:00						
1:00-1:15							1:00-1:15						
1:15-1:30							1:15-1:30						
1:30-1:45							1:30-1:45						
1:45-2:00							1:45-2:00						
2:00-2:15							2:00-2:15						
2:15-2:30							2:15-2:30						
2:30-2:45							2:30-2:45						
2:45-3:00							2:45-3:00						
3:00-3:15							3:00-3:15						
3:15-3:30							3:15-3:30						
3:30-3:45							3:30-3:45						
3:45-4:00							3:45-4:00						
4:00-4:15							4:00-4:15	1		1		2	
4:15-4:30							4:15-4:30	0		2		2	
4:30-4:45							4:30-4:45	1		0		1	
4:45-5:00							4:45-5:00	2 (3)		0 (0)		2 (3)	
5:00-5:15							5:00-5:15	4 (3)		0 (1)		4 (4)	
5:15-5:30							5:15-5:30	2 (3)		2 (1)		4 (4)	
5:30-5:45							5:30-5:45	2 (8)		0 (1)		2 (9)	
5:45-6:00							5:45-6:00	1 (4)		1 (1)		2 (5)	
6:00-6:15							6:00-6:15						
6:15-6:30							6:15-6:30						
6:30-6:45							6:30-6:45						
6:45-7:00							6:45-7:00						
7:00-7:15	0		3		3		7:00-7:15						
7:15-7:30	0		7		7		7:15-7:30						
7:30-7:45	2		3		5		7:30-7:45						
7:45-8:00	0		7		7		7:45-8:00						
8:00-8:15	1		9		10		8:00-8:15						
8:15-8:30	0		10		10		8:15-8:30						
8:30-8:45	0		5		5		8:30-8:45						
8:45-9:00	0						8:45-9:00						
9:00-9:15							9:00-9:15						
9:15-9:30							9:15-9:30						
9:30-9:45							9:30-9:45						
9:45-10:00							9:45-10:00						
10:00-10:15							10:00-10:15						
10:15-10:30							10:15-10:30						
10:30-10:45							10:30-10:45						
10:45-11:00							10:45-11:00						
11:00-11:15							11:00-11:15						
11:15-11:30							11:15-11:30						
11:30-11:45							11:30-11:45						
11:45-12:00							11:45-12:00						

**Trip Generation Data Form (Part 1)**

[ PLAYA VISTA 2 ]

Land Use/Building Type: <sup>1</sup> <b>HIGH RISE CONDOS</b>	ITE Land Use Code: <b>232</b>		
Source: <b>FIELD OBSERVATIONS</b>	Source: (ITE use only)		
Name of Development: <b>CRESCENT WALK CONDOS</b>	Day of the Week: <b>THURSDAY / FRIDAY</b>		
City: <b>PLAYA VISTA</b> State/Province: <b>CA</b> Zip/Postal Code: <b>90094</b>	Day: <b>27 / 30</b> Month: <b>MAR / MAY</b> Year: <b>2008</b>		
Country: <b>UNITED STATES</b>	Metropolitan Area:		

1. For fast-food land use, please specify if hamburger- or nonhamburger-based.

<b>Location Within Area:</b> <input type="checkbox"/> (1) CBD <input type="checkbox"/> (3) Suburban (Non-CBD) <input type="checkbox"/> (5) Rural <input checked="" type="checkbox"/> (2) Urban (Non-CBD) <input type="checkbox"/> (4) Suburban CBD <input type="checkbox"/> (6) Freeway Interchange Area (Rural) <input type="checkbox"/> (7) Not Given				<b>Detailed Description of Development:<sup>3</sup></b>	
<b>Independent Variable: (include data for as many as possible)<sup>2</sup></b>		Actual	Estimated	Actual	Estimated
_____ (1) Employees (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (10) Parking Spaces (#)	<input type="checkbox"/>	<input type="checkbox"/>
_____ (2) Persons (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (11) Occupied Beds (#)	<input type="checkbox"/>	<input type="checkbox"/>
<b>129</b> (3) Units (#)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____ (12) Seats (#)	<input type="checkbox"/>	<input type="checkbox"/>
_____ (4) Occupied Units (#)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (13) Servicing Positions/Vehicle Fueling Positions _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (5) Gross Floor Area (gross sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (14) Shopping Center % Out-parcels/pads	<input type="checkbox"/>	<input type="checkbox"/>
_____ (% of development occupied _____ )			_____ (15) A.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>
_____ (6) Net Rentable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (16) P.M. Peak Hour Volume of Adjacent Street Traffic	<input type="checkbox"/>	<input type="checkbox"/>
_____ (7) Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (17) Other _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (8) Occupied Gross Leasable Area (sq. ft.)	<input type="checkbox"/>	<input type="checkbox"/>	_____ (18) Other _____	<input type="checkbox"/>	<input type="checkbox"/>
_____ (9) Acres	<input type="checkbox"/>	<input type="checkbox"/>			

2. Definitions for several independent variables can be found in the *Trip Generation Handbook* Glossary.

3. Please provide all pertinent information that helps to describe the subject project. If necessary, attach a detailed report.

<b>Other Data:</b> Vehicle Occupancy (#) _____ A.M. _____ P.M. _____ 24-hour % Percent by Transit: _____ A.M. % _____ P.M. % _____ 24-hour % Percent by Carpool/Vanpool: _____ A.M. % _____ P.M. % _____ 24-hour % Employees by Shift: First Shift: Start Time _____ End Time _____ Employees (#) _____ Second Shift: Start Time _____ End Time _____ Employees (#) _____ Third Shift: Start Time _____ End Time _____ Employees (#) _____ Parking Cost on Site: Hourly _____ Daily _____		<b>Transportation Demand Management (TDM) Information:</b> At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please check appropriate box/boxes, describe the nature of the TDM program(s) and provide a source for any studies that may help quantify this impact. Attach additional sheets if necessary) <input type="checkbox"/> (1) Transit Service <input type="checkbox"/> (5) Employer Support Measures <input type="checkbox"/> (9) Tolls and Congestion Pricing <input type="checkbox"/> (2) Carpool Programs <input type="checkbox"/> (6) Preferential HOV Treatments <input type="checkbox"/> (10) Variable Work Hours/Compressed Work Weeks <input type="checkbox"/> (3) Vanpool Programs <input type="checkbox"/> (7) Transit and Ridesharing Incentives <input type="checkbox"/> (11) Telecommuting <input type="checkbox"/> (4) Bicycle/Pedestrian Facilities and Site Improvements <input type="checkbox"/> (8) Parking Supply and Pricing Management <input type="checkbox"/> (12) Other _____	
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# ITE Institute of Transportation Engineers

## Trip Generation Data Form (Part 2)

### Summary of Driveway Volumes

(All = All Vehicles Counted, Including Trucks; Trucks = Heavy Duty Trucks and Buses)

	Average Weekday (M-F)						Saturday						Sunday					
	Enter		Exit		Total		Enter		Exit		Total		Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks	All	Trucks
24-Hour Volume																		
A.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (7 - 9) Time (ex.: 7:15 - 8:15):																		
P.M. Peak Hour of Adjacent <sup>1</sup> Street Traffic (4 - 6) Time:																		
A.M. Peak Hour Generator <sup>2</sup> Time: 8:00 - 9:00	1		30		31													
P.M. Peak Hour Generator <sup>2</sup> Time: 4:45 - 5:45	15		6		21													
Peak Hour Generator <sup>3</sup> Time (Weekend):																		

1. Highest hourly volume between 7 AM and 9 AM (4 PM and 6 PM).
  2. Highest hourly volume during the AM or PM period.
  3. Highest hourly volume during the entire day.
- Please refer to the *Trip Generation User's Guide* for full definition of the terms.

### Hourly Driveway Volumes- Average Weekday (M-F)

A.M. Period	Enter		Exit		Total		Mid-Day Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
6:00-7:00							11:00-12:00							3:00-4:00						
6:15-7:15							11:15-12:15							3:15-4:15						
6:30-7:30							11:30-12:30							3:30-4:30						
6:45-7:45							11:45-12:45							3:45-4:45						
7:00-8:00	1		26		27		12:00-1:00							4:00-5:00	15		3		18	
7:15-8:15	0		25		25		12:15-1:15							4:15-5:15	14		2		14	
7:30-8:30	0		27		27		12:30-1:30							4:30-5:30	12		1		13	
7:45-8:45	0		27		27		12:45-1:45							4:45-5:45	8	(15)	1	(6)	9	(21)
8:00-9:00	1		30		31		1:00-2:00							5:00-6:00	9	(15)	2	(4)	11	(19)

Check if Part 3 and/or additional information is attached.

Survey conducted by: Name: SHARON LIU / MITESH PATEL  
 Organization: ITE @ UCLA  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please return to:

Institute of Transportation Engineers  
 Technical Projects Division  
 1099 14th Street, NW, Suite 300 West  
 Washington, DC 20005-3438 USA  
 Telephone: +1 202-289-0222  
 FAX: +1 202-289-7722  
 ITE on the Web: www.ite.org

**Trip Generation Data Form (Part 3)**

Name/Organization: SHARON LIU / MITESH PATEL / ITE @ UCLA City/State: LOS ANGELES, CA  
 Telephone Number: 714.872.3645 / 714.552.7619

Detailed Driveway Volumes: Attach this sheet to Parts 1 and 2 if you are providing additional information.

**CRESCENT WALK**

Day of the week: THURSDAY / FRIDAY

(All = All Vehicles Counted, Except Trucks; Trucks = Heavy Duty Trucks and Buses)

A.M. Period	Enter		Exit		Total		P.M. Period	Enter		Exit		Total	
	All	Trucks	All	Trucks	All	Trucks		All	Trucks	All	Trucks	All	Trucks
12:00-12:15							12:00-12:15						
12:15-12:30							12:15-12:30						
12:30-12:45							12:30-12:45						
12:45-1:00							12:45-1:00						
1:00-1:15							1:00-1:15						
1:15-1:30							1:15-1:30						
1:30-1:45							1:30-1:45						
1:45-2:00							1:45-2:00						
2:00-2:15							2:00-2:15						
2:15-2:30							2:15-2:30						
2:30-2:45							2:30-2:45						
2:45-3:00							2:45-3:00						
3:00-3:15							3:00-3:15						
3:15-3:30							3:15-3:30						
3:30-3:45							3:30-3:45						
3:45-4:00							3:45-4:00						
4:00-4:15							4:00-4:15	4		1		5	
4:15-4:30							4:15-4:30	3		2		5	
4:30-4:45							4:30-4:45	6		0		6	
4:45-5:00							4:45-5:00	2 (2)		0 (2)		2 (4)	
5:00-5:15							5:00-5:15	3 (5)		0 (2)		3 (7)	
5:15-5:30							5:15-5:30	1 (5)		1 (1)		2 (6)	
5:30-5:45							5:30-5:45	2 (3)		0 (1)		2 (4)	
5:45-6:00							5:45-6:00	3 (2)		1 (0)		4 (2)	
6:00-6:15							6:00-6:15						
6:15-6:30							6:15-6:30						
6:30-6:45							6:30-6:45						
6:45-7:00							6:45-7:00						
7:00-7:15	1		7		8		7:00-7:15						
7:15-7:30	0		2		2		7:15-7:30						
7:30-7:45	0		8		8		7:30-7:45						
7:45-8:00	0		9		9		7:45-8:00						
8:00-8:15	0		6		6		8:00-8:15						
8:15-8:30	0		4		4		8:15-8:30						
8:30-8:45	0		8		8		8:30-8:45						
8:45-9:00	1		12		13		8:45-9:00						
9:00-9:15							9:00-9:15						
9:15-9:30							9:15-9:30						
9:30-9:45							9:30-9:45						
9:45-10:00							9:45-10:00						
10:00-10:15							10:00-10:15						
10:15-10:30							10:15-10:30						
10:30-10:45							10:30-10:45						
10:45-11:00							10:45-11:00						
11:00-11:15							11:00-11:15						
11:15-11:30							11:15-11:30						
11:30-11:45							11:30-11:45						
11:45-12:00							11:45-12:00						