



UNIVERSITY OF WASHINGTON

January 12, 2007

Re: 2007 Data Collection Projects

Dear Karen Aspelin:

Please find enclosed the data collected during the University of Washington's Special Parking, Trip, and Queuing Data Collection Project: Coffee Shops with Drive-Through Service. Members of the University of Washington's ITE Chapter and Transportation Engineering program collected parking, trip generation and queuing information at coffee shops with drive-through service in the Seattle area and compiled the results as requested. Data collection occurred on January 8th and 9th, 2007.

Please note that one of the coffee shops selected for data collection was only open until 5pm. We collected the required data from 3 to 5pm, instead of 4 to 6 pm. In talking with a coffee shop employee, it was determined that the shop, which has been open to 6 pm in the past, changed operating hours because business was slow in the afternoon. The employee commented that most of the shop's clientele arrived at work early, and left work early.

Please contact me at 206.351.3383 or kpitera@u.washington.edu if you have any questions about the data collected.

Regards,

Kelly Pitera, PE
UW ITE Student Chapter President

Trip Generation Data Form (Part 1)

Land Use/Building Type: Coffeshop with Drive-Through ITE Land Use Code _____
 Source: Source No. (ITE use only): _____
 Name of Development: Java Jazz Espresso Day of the Week: Monday Month: January Year: 2007
 City: Seattle State/Province: WA Zip/Postal Code: 98107 Day: 8 Metropolitan Area: Seattle
 County: US

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

Location Within Area
 (1) CBD
 (2) Urban (Non-CBD)
 (3) Suburban (Non-CBD)
 (4) Suburban CBD
 (5) Rural
 (6) Freeway Interchange Area (Rural)
 (7) Not Given

Independent Variable (include data for as many as possible)? Actual Estimated

_____ (1) Employees (#)	_____ (10) Parking Spaces (#)	_____ Actual	_____ Estimated
_____ (2) Persons (#)	_____ (11) Occupied Beds (#)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____ (3) Units (#)	_____ (12) Seats (#)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____ (4) Occupied Units (#)	_____ (13) Servicing Positions-Vehicle Fueling Positions _____		
<u>800</u> (5) Gross Floor Area (gross sq. ft.)	_____ (14) Shopping Center % Out-parcels/pads _____		
_____ % of development occupied _____	_____ (15) A.M. Peak Hour Volume of Adjacent Street Traffic _____		
_____ (6) Net Rentable Area (sq. ft.)	_____ (16) P.M. Peak Hour Volume of Adjacent Street Traffic _____		
_____ (7) Gross Leasable Area (sq. ft.)	_____ (17) Other _____		
_____ (8) Occupied Gross Leasable Area (sq. ft.)	_____ (18) Other _____		
_____ (9) Acres			

Detailed Description of Development:
Coffeshop with indoor seating, drive-through service, and parking.
Two employees work per shift.
Shop is located along a bus route and within a few blocks of a stop. There are also sidewalks along road.

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

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

Other Data

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:
 Start Time _____ End Time _____ Employees # _____
 Start Time _____ End Time _____ Employees # _____
 Start Time _____ End Time _____ Employees # _____
 Start Time _____ End Time _____ Employees # _____

Parking Cost/ton Mile _____ Daily _____

Transportation Demand Management (TDM) information
 At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway?
 No _____ Yes _____
 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.)

(1) Transit Service	(5) Employer Support Measures	(9) Tolls and Congestion Pricing
(2) Carpool Programs	(6) Preferential HOV Treatments	(10) Variable Work Hours/Compressed Work Weeks
(3) Vanpool Programs	(7) Transit and Ridesharing Incentives	(11) Telecommuting
(4) Bicycle/Pedestrian Facilities and Site Improvements	(8) Parking Supply and Pricing Management	(12) Other _____

Please Complete Form on Other Side

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

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

Summary of Driveway Volumes	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	N/A																		
A.M. Peak Hour of Adjacent Street Traffic (7-9) Time ex. 7:15-8:15	23	0	23	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.M. Peak Hour of Adjacent Street Traffic (4-6) Time 4:45-5:45	5	0	5	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A.M. Peak Hour Generator ¹ Time 7:15-8:15	23	0	23	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.M. Peak Hour Generator ² Time 4:45-5:45	5	0	5	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Generator ³ 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	All	Trucks	All	Trucks	
	6:00-7:00							11:00-12:00	12	0	11	0	23	0	3:00-4:00								
6:15-7:15							11:15-12:15	10	0	8	0	18	0	3:15-4:15									
6:30-7:30							11:30-12:30	12	0	7	0	19	0	3:30-4:30									
6:45-7:45							11:45-12:45	9	0	9	0	18	0	3:45-4:45									
7:00-8:00	22	0	19	0	41	0	12:00-1:00	7	0	7	0	14	0	4:00-5:00	5	0	4	0	9	0	9	0	
7:15-8:15	23	0	23	0	46	0	12:15-1:15	9	0	11	0	20	0	4:15-5:15	4	0	3	0	7	0	7	0	
7:30-8:30	21	0	22	0	43	0	12:30-1:30	6	0	9	0	15	0	4:30-5:30	3	0	4	0	7	0	7	0	
7:45-8:45	22	0	22	0	44	0	12:45-1:45	7	0	7	0	14	0	4:45-5:45	5	0	5	0	10	0	10	0	
8:00-9:00	18	1	21	1	39	1	1:00-2:00	10	0	8	0	18	0	5:00-6:00	5	0	5	0	10	0	10	0	

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

Survey conducted by Name Kelly Pitera and Yao-Jan Wu
 Organization: University of Washington ITE Chapter
 Address: Civil & Environmental Engineering, University of Washington, 201 Marshall, Box 352700
 City/State/Zip: Seattle, WA 98195
 Telephone # 206.685.6817 Fax # _____
206.351.3883

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: University of Washington ITE / Kelly Pitera City/State: Seattle, WA

Telephone Number: 206. 685. 6817
206. 351. 3383

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

Day of the week: Monday

(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	1	0	0	0	1	0
12:15-12:30							12:15-12:30	3	0	2	0	5	0
12:30-12:45							12:30-12:45	1	0	3	0	4	0
12:45-1:00							12:45-1:00	2	0	2	0	4	0
1:00-1:15							1:00-1:15	3	0	4	0	7	0
1:15-1:30							1:15-1:30	0	0	0	0	0	0
1:30-1:45							1:30-1:45	2	0	1	0	3	0
1:45-2:00							1:45-2:00	5	0	3	0	8	0
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	2	0	1	0	3	0
4:15-4:30							4:15-4:30	0	0	1	0	1	0
4:30-4:45							4:30-4:45	2	0	1	0	3	0
4:45-5:00							4:45-5:00	1	0	1	0	2	0
5:00-5:15							5:00-5:15	0	0	0	0	0	0
5:15-5:30							5:15-5:30	0	0	2	0	2	0
5:30-5:45							5:30-5:45	4	0	2	0	6	0
5:45-6:00							5:45-6:00	1	0	1	0	2	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	3	0	3	0	6	0	7:00-7:15						
7:15-7:30	7	0	6	0	13	0	7:15-7:30						
7:30-7:45	4	0	5	0	9	0	7:30-7:45						
7:45-8:00	8	0	5	0	13	0	7:45-8:00						
8:00-8:15	4	0	7	0	11	0	8:00-8:15						
8:15-8:30	5	0	5	0	10	0	8:15-8:30						
8:30-8:45	5	0	5	0	10	0	8:30-8:45						
8:45-9:00	4	1	4	1	8	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	3	0	3	0	6	0	11:00-11:15						
11:15-11:30	1	0	3	0	4	0	11:15-11:30						
11:30-11:45	4	0	1	0	5	0	11:30-11:45						
11:45-12:00	4	0	4	0	8	0	11:45-12:00						

Trip Generation Data Form (Part 1)

Land Use/Building Type: Coffee shop with Drive-Through

Source: ITE Land Use Code: _____

Name of Development: JAVA JAZZ Espresso Source No. (ITE use only): _____

City: Seattle State/Province: WA Zip/Postal Code: 98107 Day of the Week: Tuesday Month: January Year: 2007

County: US Metropolitan Area: Seattle

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

Location Within Area

(1) CBD (3) Suburban (Non-CBD) _____ (5) Rural _____

(2) Urban (Non-CBD) _____ (4) Suburban CBD _____ (6) Freeway Interchange Area (Rural) _____

(7) Not Given _____

Independent Variable (include data for as many as possible) ?

(1) Employees (#) _____ Actual _____ Estimated _____

(2) Persons (#) _____

(3) Units (#) _____

(4) Occupied Units (#) _____

(5) Gross Floor Area (gross sq. ft.) 800 Actual X Estimated _____

(% of development occupied) _____

(6) Net Rentable Area (sq. ft.) _____

(7) Gross Leasable Area (sq. ft.) _____

(8) Occupied Gross Leasable Area (sq. ft.) _____

(9) Acres _____

Detailed Description of Development:
Coffeshop with indoor seating, drive-through service, and parking.
Two employees work per shift.
Shop is located along a bus route and within a few blocks of a stop. There are also sidewalks along road.

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.

Other Data

Vehicle Occupancy (#) _____

Percent by Transit: _____

Percent by Carpool/Vanpool: _____

Employees by Shift: _____

First Shift: _____

Second Shift: _____

Third Shift: _____

Parking Cost on Site: _____

Transportation Demand Management (TDM) Information:

At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway?

No

Yes (If yes, please check appropriate box(es), 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.)

- (1) Transit Service
- (2) Carpool Programs
- (3) Vanpool Programs
- (4) Bicycle/Pedestrian Facilities and Site Improvements
- (5) Employer Support Measures
- (6) Preferential HOV Treatments
- (7) Transit and Ridesharing Incentives
- (8) Parking Supply and Pricing Management
- (9) Tolls and Congestion Pricing
- (10) Variable Work Hours/Compressed Work Weeks
- (11) Telecommuting
- (12) Other _____

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

(All = All Vehicles Counted, Including 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	N/A																		
A.M. Peak Hour of Adjacent ¹ Street Traffic (7-9) Time (ex: 7:15-8:15)	37	1	33	24	1	70	2												
P.M. Peak Hour of Adjacent ¹ Street Traffic (4-6) Time (ex: 4:00-5:00)	11	0	9	1	10	1													
A.M. Peak Hour Generator ² Time: 7:15- 8:15	37	1	33	1	70	2													
P.M. Peak Hour Generator ² Time 4:00-5:00	11	0	9	1	20	1													
Peak Hour Generator ³ 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	All	Trucks	All	Trucks	
	5:00-7:00							11:00-12:00	8	1	10	1	18	2	3:00-4:00								
6:15-7:15							11:15-12:15	8	1	10	1	18	2	3:15-4:15									
6:30-7:30							11:30-12:30	10	1	10	1	20	2	3:30-4:30									
6:45-7:45							11:45-12:45	8	1	9	1	17	2	3:45-4:45									
7:00-8:00	32	1	27	1	59	2	12:00-1:00	7	0	6	0	13	0	4:00-5:00	11	0	9	1	20	1	19	2	
7:15-8:15	37	1	33	1	70	2	12:15-1:15	8	0	8	0	16	0	4:15-5:15	8	1	7	1	19	1	15	2	
7:30-8:30	33	1	29	1	63	2	12:30-1:30	6	0	6	0	12	0	4:30-5:30	9	1	7	1	16	1	16	2	
7:45-8:45	31	0	32	0	63	0	12:45-1:45	7	0	7	0	14	0	4:45-5:45	8	1	8	1	16	1	16	2	
8:00-9:00	27	0	25	0	52	0	1:00-2:00	5	0	5	0	13	0	5:00-6:00	8	1	8	1	16	1	16	2	

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

Please return to:

Survey conducted by Name: Kelly Pitera and Yao-Jan Wu

Organization: University of Washington ITE

Address: Civil & Environmental Engineering, University of Washington, 201 More Hall, Box 352700

City/State/Zip: Seattle, WA 98195

Telephone #: 206.685.6817 Fax #: E-mail: k.pitera@u.washington.edu

206.351.3583

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: UW - ITE / Kelly Pitara
 Telephone Number: 206.685.6817 / 206.351.3383

City/State: Seattle, WA

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

Day of the week: Tuesday

(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	1	0	1	0	2	0
12:15-12:30							12:15-12:30	2	0	2	0	4	0
12:30-12:45							12:30-12:45	1	0	2	0	3	0
12:45-1:00							12:45-1:00	3	0	1	0	4	0
1:00-1:15							1:00-1:15	2	0	3	0	5	0
1:15-1:30							1:15-1:30	0	0	0	0	0	0
1:30-1:45							1:30-1:45	2	0	3	0	5	0
1:45-2:00							1:45-2:00	1	0	2	0	3	0
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	3	0	0	0	3	0
4:15-4:30							4:15-4:30	3	0	5	0	8	0
4:30-4:45							4:30-4:45	2	0	1	0	3	0
4:45-5:00							4:45-5:00	3	0	3	0	6	0
5:00-5:15							5:00-5:15	0	1	2	1	2	2
5:15-5:30							5:15-5:30	3	0	1	0	4	0
5:30-5:45							5:30-5:45	3	0	1	0	4	0
5:45-6:00							5:45-6:00	2	0	4	0	6	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	2	0	2	0	4		7:00-7:15						
7:15-7:30	12	6	10	0	22		7:15-7:30						
7:30-7:45	8	1	4	1	12		7:30-7:45						
7:45-8:00	10	0	11	0	21		7:45-8:00						
8:00-8:15	7	0	8	0	15		8:00-8:15						
8:15-8:30	8	0	6	6	14		8:15-8:30						
8:30-8:45	6	0	7	0	13		8:30-8:45						
8:45-9:00	6	0	4	0	10		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	1	0	1	0	2	0	11:00-11:15						
11:15-11:30	0	0	2	0	2	0	11:15-11:30						
11:30-11:45	3	0	3	0	6	0	11:30-11:45						
11:45-12:00	4	1	4	1	8	2	11:45-12:00						

Trip Generation Data Form (Part 1)

Land Use/Building Type: Coffeeshop with Drive-Through

ITE Land Use Code: _____

Source No. (ITE use only): _____

Name of Development: Shortstop Coffee Shop
 City: Seattle
 Country: US

Day of the Week: Monday Month: January Year: 2007
 Day: 8 Metropolitan Area: Seattle

Zip/Federal Code: 98107

State/Province: WA

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

Location Within Area	(1) CBD	(2) Urban (Non-CBD)	(3) Suburban (Non-CBD)	(4) Suburban CBD	(5) Rural	(6) Freeway Interchange Area (Rural)	(7) Not Given
		<input checked="" type="checkbox"/>					

Independent Variable (include data for as many as possible) ²	Actual	Estimated
(1) Employees (#)		
(2) Persons (#)		
(3) Units (#)		
(4) Occupied Units (#)		
(5) Gross Floor Area (gross sq. ft.)		
(% of development occupied)		
(6) Net Rentable Area (sq. ft.)		
(7) Gross Leasable Area (sq. ft.)		
(8) Occupied Gross Leasable Area (sq. ft.)		
(9) Acres		
(10) Parking Spaces (#)	<u>6</u>	
(11) Occupied Beds (#)		
(12) Seats (#)	<u>13</u>	
(13) Servicing Positions: Vehicle Fueling Positions		
(14) Shopping Center % Out-parcels/pads		
(15) A.M. Peak Hour Volume of Adjacent Street Traffic		
(16) P.M. Peak Hour Volume of Adjacent Street Traffic		
(17) Other		
(18) Other		

Detailed Description of Development³
Coffeeshop with indoor seating, drive-through parking.
One to two employees work per shift.
Bus stop within one block. Sidewalks along street. Slightly industrial area.

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.

Other Data:

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:
 Start Time _____ End Time _____ Employees # _____
 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 _____ Daily _____

Transportation Demand Management (TDM) Information
 At the time of this study, was there a TDM program (that may have impacted the trip generation characteristics of this site) underway?
 Yes (if yes, please check appropriate 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):
 No

(1) Transit Service	(5) Employer Support Measures	(9) Tolls and Congestion Pricing
(2) Carpool Programs	(6) Preferential HOV Treatments	(10) Variable Work Hours/Compressed Work Weeks
(3) Vanpool Programs	(7) Transit and Ridesharing Incentives	(11) Telecommuting
(4) Bicycle/Pedestrian Facilities and Site Improvements	(8) Parking Supply and Pricing Management	(12) Other _____

Please Complete Form on Other Side

itef 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	N/A																		
A.M. Peak Hour of Adjacent Street Traffic (7-9) Time (ex. 7:15-8:15): 8:00	17	0	18	0	35	0													
P.M. Peak Hour of Adjacent Street Traffic (4-6) Time (ex. 4:00-5:00)	2	0	2	0	4	0													
A.M. Peak Hour Generator ¹ Time: 8:00-9:00	17	0	18	0	35	0													
P.M. Peak Hour Generator ² Time: 3:00-4:00/4:15-5:15	8	0	7	0	15	0													
Peak Hour Generator ³ 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	6	3	4	3		10	6	3:00-4:00	8	0	7
6:15-7:15							11:15-12:15	7	3	7	3	14	6	3:15-4:15	8	0	7	0	15	0
6:30-7:30							11:30-12:30	6	1	5	2	11	3	3:30-4:30	4	0	3	0	7	0
6:45-7:45							11:45-12:45	5	0	8	1	13	1	3:45-4:45	3	0	2	0	5	0
7:00-8:00	13	0	12	0	25	0	12:00-1:00	8	0	7	0	15	0	4:00-5:00	2	0	2	0	4	0
7:15-8:15	14	0	13	0	27	0	12:15-1:15	6	0	7	0	13	0	4:15-5:15						
7:30-8:30	13	0	13	0	26	0	12:30-1:30	6	0	8	0	14	0	4:30-5:30						
7:45-8:45	16	0	15	0	31	0	12:45-1:45	6	0	10	0	16	0	4:45-5:45						
8:00-9:00	17	0	18	0	35	0	1:00-2:00	4	0	6	0	10	0	5:00-6:00						

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

Survey conducted by Name: Kelly Pitera and Yao-Jan Wu

Please return to

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Address: Civil & Environmental Engineering, University of Washington, 201 More Hall, Box 352100

City/State/Zip: Seattle, WA 98195

Telephone # 206.351.3323 fax # E-mail: kpitera@u.washington.edu

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Trip Generation Data Form (Part 3)

Name/Organization: UW ITE/Kelly Pitera City/State: Seattle, WA

Telephone Number: 206.685.6817 / 206.451.3383

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

Day of the week: Monday

(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	4	0	3	0	7	0
12:15-12:30							12:15-12:30	0	0	0	0	0	0
12:30-12:45							12:30-12:45	1	0	3	0	4	0
12:45-1:00							12:45-1:00	3	0	1	0	4	0
1:00-1:15							1:00-1:15	2	0	3	0	5	0
1:15-1:30							1:15-1:30	0	0	1	0	1	0
1:30-1:45							1:30-1:45	1	0	1	0	2	0
1:45-2:00							1:45-2:00	1	0	1	0	2	0
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	1	0	1	0	2	0
3:15-3:30							3:15-3:30	5	0	5	0	10	0
3:30-3:45							3:30-3:45	1	0	1	0	2	0
3:45-4:00							3:45-4:00	1	0	0	0	1	0
4:00-4:15							4:00-4:15	1	0	1	0	2	0
4:15-4:30							4:15-4:30	1	0	1	0	2	0
4:30-4:45							4:30-4:45	0	0	0	0	0	0
4:45-5:00							4:45-5:00	0	0	0	0	0	0
5:00-5:15							5:00-5:15						
5:15-5:30							5:15-5:30						
5:30-5:45							5:30-5:45						
5:45-6:00							5:45-6:00						
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	7	0	7	0	14	0	7:00-7:15						
7:15-7:30	4	0	4	0	8	0	7:15-7:30						
7:30-7:45	0	0	0	0	0	0	7:30-7:45						
7:45-8:00	2	0	1	0	3	0	7:45-8:00						
8:00-8:15	8	0	8	0	16	0	8:00-8:15						
8:15-8:30	3	0	4	0	7	0	8:15-8:30						
8:30-8:45	3	0	2	0	5	0	8:30-8:45						
8:45-9:00	3	0	4	0	7	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	3	0	0	0	3	0	11:00-11:15						
11:15-11:30	1	2	2	1	3	3	11:15-11:30						
11:30-11:45	2	1	0	1	2	2	11:30-11:45						
11:45-12:00	0	0	2	1	2	1	11:45-12:00						


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	UW ITE Student Chapter	Vice President 11/10/06
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Special Parking, Trip, and Queuing Data Collection Project Proposal:

Coffee Shops with Drive-Through Service

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