



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 (#)		
(2) Persons (#)		
(3) Units (#)		
(4) Occupied Units (#)		
(5) Gross Floor Area (gross sq. ft.)		
(6) Net Rentable Area (sq. ft.)		
(7) Gross Leasable Area (sq. ft.)		
(8) Occupied Gross Leasable Area (sq. ft.)		
(9) Acres		
(10) Parking Spaces (#)	X	
(11) Occupied Beds (#)		
(12) Seats (#)	X	
(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 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:

Shift	Start Time	End Time	Employees #
First Shift	_____	_____	_____
Second Shift	_____	_____	_____
Third Shift	_____	_____	_____

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

itef 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													
P.M. Peak Hour of Adjacent Street Traffic (4-6) Time 4:45-5:45	5	0	5	0	10	0													
A.M. Peak Hour Generator ¹ Time 7:15-8:15	23	0	23	0	46	0													
P.M. Peak Hour Generator ² Time 4:45-5:45	5	0	5	0	10	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

E-mail kpitera@u.washington.edu

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 ITE Land Use Code: _____
 Source: _____ Source No. (ITE use only): _____
 Name of Development: JAVA JAZZ Espresso Day of the Week: Tuesday Month: January Year: 2007
 City: Seattle State/Province: WA Zip/Postal Code: 98107 Day: 9 Metropolitan Area: Seattle
 County: US

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 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

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(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.)

Vehicle Occupancy (#) _____
 a.m. _____ p.m. _____ 24-hour % _____
 Percent by Transit: _____
 a.m. % _____ p.m. % _____ 24-hour % _____
 Percent by Carpool/Varpool: _____
 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 _____

(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) Varpool Programs (7) Transit and Ridesharing Incentives (11) Telecommuting
 (4) Bicycle/Pedestrian Facilities and Site Improvements (8) Parking Supply and Pricing Management (12) Other _____

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

(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 ¹ Street Traffic (7-9) Time (ex. 7:15-8:15)	37	1	33	28	1	70													
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)																			

- 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
	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
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	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	15	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	9	1	7	1	16	2
8:00-9:00	27	0	25	0	52	0	1:00-2:00	5	0	8	0	13	0	5:00-6:00	8	1	8	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: kpitera@u.washington.edu

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

Day of the Week: Monday

Month: January

Year: 2007

City: Seattle

Day: 8

Metropolitan Area: Seattle

Zip/Federal Code: 98107

State/Province: WA

Country: US

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

Independent Variable (include data for as many as possible)²

- (1) Employees (#) _____
- (2) Persons (#) _____
- (3) Units (#) _____
- (4) Occupied Units (#) _____
- 110 (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 (#) 6
- (11) Occupied Beds (#) _____
- 13 (12) Seats (#)
- (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 _____ No _____

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):

- (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 _____

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

Organization: University of Washington ITE Chapter

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

City/State/Zip: Seattle, WA 98195

Telephone # 206.351.3323 fax # _____

206.685.6817

Please return to

Institute of Transportation Engineers
 Technical Projects Division
 1098 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

E-mail: kpitera@u.washington.edu

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						


SPM



**Institute of Transportation Engineers District 6
Copyright Transfer Agreement**

ITE District 6 wants to thank you for submitting your paper for publication. Please read the following statement and fill out the information below.

I agree to present my paper and allow ITE District 6 to publish/re-publish my material in the ITE District 6 Annual Meeting compendium, in WesternITE newsletter, WesternITE web site and/or all other ITE District 6 derivative works by virtue of transfer of copyright. I understand that others may utilize my work for purposes that ITE District 6 has no control of and that publishing my paper does not constitute agreement with, support or endorsement of this work by ITE District 6. ITE District 6 simply publishes/uses your work to share it with others in the profession. As author(s) of this work, I (we) warrant that I am (we are) the sole owner(s) of all rights in the work; that the work is original with me (us); that any material not original from me (us) and appearing in the work appears with the proper referencing/notations of the original owner of such work. I (we) also warrant that the work does not violate or infringe upon any existing copyright and that I (we) have full power to enter into this agreement. I (we) agree to indemnify ITE District 6 for all damages and legal fees incurred by ITE District 6 for any copyright infringement claims that arise due to the publication of this work. All authors, or in the case of a "work made for hire" the employer, must sign this agreement prior to publication of the work by ITE District 6 (use additional sheets if necessary).

1\	_____	_____
	Signature (of author or employer)	Name (please print)
	_____	_____
	Agency or Firm	Title Date
2)		Yao-Jan Wu
	Signature (of author or employer)	Name (please print)
	UW ITE Student Chapter	Vice President 11/10/06
	_____	_____
	Agency or Firm	Title Date

Title of Paper (as it will be published):

Special Parking, Trip, and Queuing Data Collection Project Proposal:

Coffee Shops with Drive-Through Service

By (list all authors):

Kelly A. Pitera	kpitera@u.washington.edu
Name	email
Yao-Jan Wu	yaojan@u.washington.edu
Name	email
_____	_____
Name	email