



Proposal for 2007 ITE Data Collection Projects

**Type of Project: Special Parking, Trip, and Queuing Data Collection
Downtown TOD Data Collection Trip and Parking Generation**

1. Data Collection Proposal Scope:

Trip generation and parking data will be collected from the garage of one residential housing complex in the Pearl District. The study site will be determined and permission secured by building management upon proposal approval. The Louisa (123 Northwest 12th Avenue) and The Henry (1025 NW Couch), located inside the Brewery Blocks TOD, have been identified as potential sites. Data will be collected between the hours of 7 AM and 6 PM on Wednesday, November 29, 2006, Tuesday, December 12, 2006, and Wednesday, December 13, 2006.

Trip generation data will be collected continuously at the entrance / exit of the residential parking garage. Parking demand data will be collected once every hour. In addition, each night, sometime between 11 PM and 5 AM, the number of parked vehicles will be counted. Other data to be collected includes general information about the parking garage and residential complex. Data will be collected by student observation (two students per 4 hour overlapping shifts) using the provided ITE forms and discussion with building management and personnel.

2. Mentoring:

TBD Chris Maciejewski, P.E., will provide assistance to the students by providing information on how to collect the data in the most timely and efficient fashion. Mr. Maciejewski will also serve as a networking source to gather and train volunteers in data collection.

3. Schedule of Activities:

Proposal submittal: *November 10, 2006*

Proposal selection: *November 20, 2006*

Secure approval from building management by:
November 27, 2006

Finalize student volunteers by: *November 28, 2006*

Data collection training by: *November 28, 2006*

Data collection: *November 29, 2006 / December 12, 2006 / December 13, 2006*

Review completed parking data forms and write report: *January 8-12, 2007*

Submit report for final approval: *January 15, 2007*

4. Level of Effort:

Field work will involve 37 hours of data collection over three days. An estimated 24 volunteers (2 students / 4 hour shift, 3 shifts / day, 3 days + 2 students / night shift, 3 days) will complete the data collection. Data processing, research, and report writing will take 10 hours. Due to the timing of this proposal, it is unlikely to incorporate collection efforts in an existing course (though volunteers enrolled in transportation courses may be asked to contribute their time).

5. Project Management:

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Student Coordinator: Delia Chi • MURP Student, PSU • STEP Vice President • 742 SW Vista Ave. #46 • Portland, OR 97205 • Phone: 415-595-7244 • chidelia@gmail.com

Mentor: **TBD** Chris Maciejewski, P.E. • DKS Associates • 1400 S.W. Fifth Avenue, Suite 500 • Portland, OR 97201-5502 • Phone: 503-243-3500 • csn@dksassociates.com

6. Agreement to Hold Harmless and Copyright Transfer:

The Students in Transportation Engineering and Planning (STEP) at Portland State University holds harmless and indemnifies ITE District 6 from any and all liability associated with the conduct and completion of this proposal, data collection and associated activity.

7. Deliverables

- Excel spreadsheet detailing data collection according to Trip Generation Data Forms.
- Report summary of data collection efforts and background information on the garage and building.