



University of Washington

November 29th, 2017

Re: 2018 RFP for the Data Collection Fund

Dear Amit Kothari:

Enclosed is the data collection proposal from the University of Washington ITE student chapter detailing a proposed study to take place at the Watertown Hotel in the mixed-use area of the University District in Seattle, Washington. This project will collect data on trip generation and parking demand for this facility including the total number of trips by transportation mode and parking occupancy in 15 minute intervals for three days in February 2018. Data generated from this study will be invaluable to ITE as it is a unique land use (*i.e.* resorts) that was not adequately covered in previous editions of ITE's *Trip Generation Manual*.

This project will also support the professional development of future transportation engineers by involving students from *CEE 327: Traffic Engineering Fundamentals* and ITE UW in the data collection process. Incorporating the data collection into this course will introduce these students to basic traffic engineering tasks. The data collection, analysis, and reporting will be overseen by the ITE student chapter vice president Catherine Oseguera, treasurer Jose Machado, and myself. Additional support will be provided by our faculty advisor Yin Hai Wang and professional mentor Pablo Para. In total, the data collection effort will entail approximately 80 hours of work. Funds from this proposal will be used to facilitate ITE student chapter activities over the upcoming academic year, including supporting the attendance of ITE members at ITE district events, including Traffic Bowl and the Student Leadership Summit.

ITE UW is excited about the opportunity to analyze the trip generation and parking occupancy at the Watertown Hotel in Seattle, WA. This study will provide an amazing opportunity for members and civil engineering students to learn about fundamental traffic engineering practice, and if selected, we are confident in our ability to provide quality data and reports to the Western District of ITE.

Thank you for considering our proposal for funding.

Sincerely,

A handwritten signature in black ink, appearing to read "Rochelle Starrett".

Rochelle Starrett
President
UW ITE Student Chapter

Project Scope

The Watertown Hotel is located within the University District in Seattle, WA, approximately 0.4 miles from the UW campus, and has been identified as the target site for this data collection proposal. The property managers have granted permission for this data collection effort which will involve UW undergraduate Civil Engineering students for approximately 80 hours of effort.

The Watertown Hotel is located at 4242 Roosevelt Way NE, Seattle, WA, 98105. This facility is a six-story hotel with an underground parking garage and adjacent on-street parking. The hotel also operates a courtesy shuttle and is located near several transit facilities which link the U-District with major attractions like the Seattle downtown, Link Light Rail, and Ballard. The study site and transit facilities are illustrated below in Figure 1.

The gross floor area of the Watertown Hotel is 88,592 sq. ft., of which 58,006 sq. ft. are occupied by the hotel and 30,586 sq. ft. are occupied by the parking garage. In total, there are 100 rooms and 150 beds for guests. The underground parking garage contains 74 parking stalls for guest use and commercial loading space is provided in the alley to the rear of the facility. Additional parking is also provided on the surrounding streets. Guest access is provided through the main desk and the parking garage.

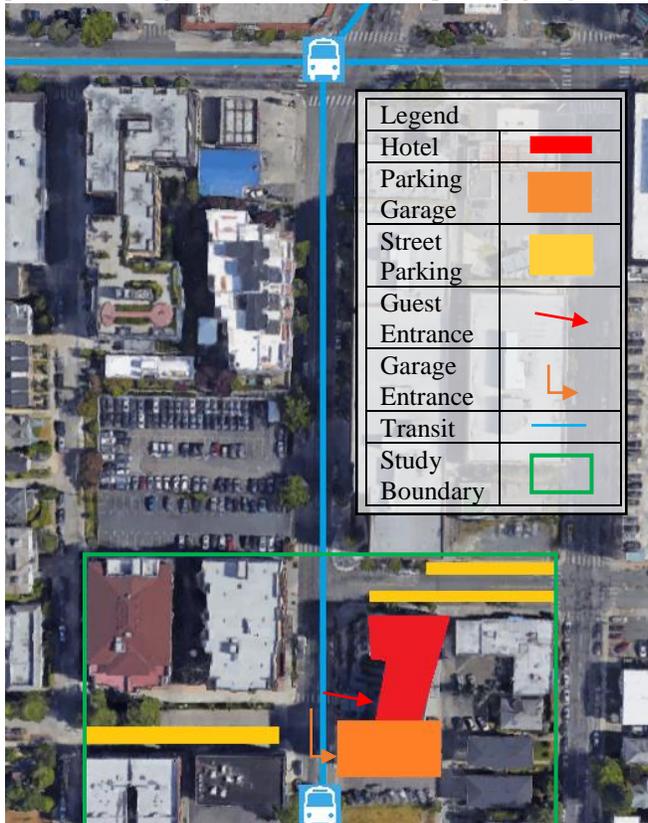


Figure 1: Watertown Hotel Study Site

Data will be collected over the course of three days, including two weekdays and one weekend day between 7 AM and 7 PM to capture typical weekday and weekend traffic patterns. The following data types will be collected in 15 minute increments on those days:

Trip Generation Data:

- Total trip count:
 - Truck, bike, pedestrian, transit, and passenger trips
 - Total number of motor vehicles: passenger cars, trucks, and motorcycles

Parking Demand Data:

- Total parking occupancy for cars, bicycles, motorcycles, and trucks for on-site garage and street facilities identified within site boundary seen in Figure 1

The data will be collected by both ITE UW members and students from *CEE 327: Traffic Engineering Fundamentals*. Credit will be provided to these students for participating in the data collection project at the proposed site. All data will be collected using standard ITE trip generation and parking demand forms as stated in the RFP.

Mentoring

Pablo Para of PH Consulting will serve as the mentor for ITE UW's data collection efforts. Mr. Para is the principal engineer at PH Consulting and has accrued over 14 years of industry experience in transportation engineering, including being a certified Professional Engineer and a Professional Traffic Operations Engineer, which makes him well suited to help students devise and implement their own data collection project. Additional resources will be provided by ITE UW's faculty advisor, Professor Yin Hai Wang, an ITE member. If selected, these funds will provide ITE UW with the opportunity to support student travel to ITE conferences and events (e.g. ITE Traffic Bowl, ITE Student Leadership Summit, or ITE Western District Annual Meeting) in addition to further promoting transportation engineering by sponsoring field trips and speakers for UW students. Once granted, funds should be

sent to the UW ITE treasurer. (Payable to “UW ITE”, Address: Box 352700, 101 More Hall, University of Washington, Seattle WA 98195).

Schedule

Tasks

1. Develop Work Plan
2. Collect Data
3. Submit Draft Report, Summary Table, and Data Forms
4. Submit Final Report, Summary Table, and Data Forms
5. Upload data to ITE’s Online Data Submittal Portal

Deadline Dates

- Dec. 29, 2017 ~ Jan. 31, 2018
 Feb. 1, 2018~ Feb. 28, 2018
 Apr. 2, 2018
 May 7, 2018
 May 21, 2018

Level of Effort

		Hours*	
		Person	
Data Collection	UW CEE 327 Students/ ITE Student Members	68	
Ground Supervision	Rochelle Starrett, Catherine Oseguera, and Jose Machado	2	
Project Supervision	Pablo Para	3	
Data Processing	UW ITE Student Officers/Members	3	
Documents Elaboration	Rochelle Starrett, Catherine Oseguera, and Jose Machado	4	
		80	Total

Project Management

Faculty Member	Dr. Yinhai Wang, Professor	Box 352700, Dept. of Civil and Environmental Engineering, University of Washington, Seattle, WA 98195-2700 (206) 616-2696 yinhai@u.washington.edu
Student Coordinator	Rochelle Starrett, UW ITE President	Box 352700, Dept. of Civil and Environmental Engineering, University of Washington, Seattle, WA 98195-2700 (515) 571-2605 starrett@uw.edu
Student Coordinator	Catherine Oseguera, UW ITE Vice President	Box 352700, Dept. of Civil and Environmental Engineering, University of Washington, Seattle, WA 98195-2700 (609) 724-6505 ceo77@uw.edu
Student Coordinator	Jose Machado, UW ITE Treasurer	Box 352700, Dept. of Civil and Environmental Engineering, University of Washington, Seattle, WA 98195-2700 (206) 465-0752 jlmaleon@uw.edu
Professional Mentor	Pablo Para, PE, PTOE.	PH Consulting LLC 1201 Pacific Ave Suite 600, Tacoma, WA 98402 (253)-203-3134 pablo@phtraffic.com

Agreement to Hold Harmless

The UW ITE holds harmless and indemnifies the ITE Western District from any and all liability associated with the conduct and completion of this proposal, data collection and associated activity.