

December 9, 2022

Jeanne Acutanza
Technical Committee Chair
ITE Western District

Subject: Proposal for 2023 Western District ITE Data Collection Project

On behalf of the Institute of Transportation Engineers Student Chapter at Cal Poly, San Luis Obispo, I am pleased to submit the attached proposal in response to the Request for Proposals (RFP) for the 2023 Western District ITE Data Collection Project.

Please find attached our proposal to collect trip generation and parking demand data at the Santa Rosa Park, located in San Luis Obispo, CA. This location corresponds to the ITE Land Use 411, identified as a public park land use in the ITE Trip and Parking Generation Manual. Our chapter previously surveyed this site during the COVID-19 pandemic in 2021 as part of the ITE Western District's Data Collection Project for that year; we believe another data collection post-pandemic is needed to assess the impacts the pandemic has had on travel patterns and demand for public parks.

We are excited about the opportunity to collect and analyze the trip and parking generation data at this site. This project will be a great opportunity for interested Cal Poly ITE members and other civil engineering students to learn about and participate in the data collection and analysis process, and gain valuable leadership skills. We are confident in our ability to perform the data collection and analysis process appropriately and provide quality reports to the ITE Western District, should our proposal be selected.

Thank you for your consideration of our proposal. Please do not hesitate to contact me by phone at (805) 206-5576 or by email at amiciano@calpoly.edu if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ana Miciano', with a stylized, cursive script.

Ana Miciano
Secretary
Cal Poly ITE Student Chapter

Data Collection Proposal Scope

The Cal Poly, San Luis Obispo (SLO) Institute of Transportation Engineers (ITE) student chapter proposes to collect trip generation and parking demand data for Santa Rosa Park (SRP), located within the City of SLO, CA. An aerial view of the location is provided in Figure 1. The park, recognized as land use (LU) 411 in the ITE Trip and Parking Generation Manual, contains several amenities including large grass fields, picnic areas, playground facilities, basketball courts, softball fields, a skate park, and a roller sport field. The site includes a total of 132 parking stalls and is 9.98 acres.



Figure 1: Aerial view of the project site (Source: Google Earth)

The Cal Poly, SLO ITE chapter originally collected trip generation and parking demand data at this site in February of 2021, during the COVID-19 pandemic, for the 2021 ITE Western District Data Collection Project. In fact, the site was chosen with the pandemic in mind. It was noted that trip generation data generated during this unusual time could provide insight into the effects COVID-19 had on travel patterns, specifically on how it affected outdoor recreation facilities. More data is needed to assess the trends of trip-making to parks post-pandemic. We propose collecting data at the site again to provide further insight into the effects the pandemic had on travel patterns and demand for this land use type, which is underrepresented in the ITE trip generation manual.

Data collection will be performed through in-person manual counts of vehicles, pedestrians, and bicyclists and parked cars in accordance with standards set out in ITE's Trip Generation Manual, 11th edition and ITE's Parking Generation Manual, 5th edition, respectively. Counts will be performed by student volunteers on February 8th, 11th, and 12th, 2023 between the hours of 7 AM to 7 PM. These dates mirror those of the prior data collection effort.

Mentoring

Philip Yang, E.I.T., transportation engineer at Caltrans District 5 and Cal Poly alumnus, will serve as our professional mentor. Dr. Anurag Pande, Ph.D. is the faculty adviser for the Cal Poly, SLO ITE chapter; the two will provide oversight and support to all students involved in this data collection effort. If our proposal is selected, grant money will be used to fund student travel to the 2023 ITE Western District Annual Meeting in Portland, Oregon with any excess funds directed to student outreach.

Schedule

Our proposed milestone dates for this project are shown in Table 1.

Table 1: Work Schedule	
Date	Task
December 31, 2022	Selection of Awarded Grants
February 8, 11, 12, 2023	Data Collection
March 31, 2023	Submittal of Draft Report
April 21, 2023	Committee Completes Review of Draft Report & Data
May 5, 2023	Submittal of Final Report
May 19, 2023	Submittal to ITE's Online Data Portal

Level of Effort

Cal Poly ITE plans to dedicate approximately 80 person-hours on this project. These hours will be allotted to various tasks: 60 hours for data collection, 10 hours for data analysis, and 10 hours for writing and revisions.

We predict a total of 20 or more volunteers for this project. Volunteers will consist of Cal Poly ITE members as well as other civil engineering students. The volunteer work will consist of counting the trips generated and parking spots occupied at the site. With support from our faculty advisor and mentor, two students will perform data analysis and report authoring associated with the project.

We received approval from the City of SLO to use SRP as a data collection site for our project. We plan to collaborate and communicate regularly with the City to ensure a successful project, and share our data with them upon completion of the report.

Project Management

The names and contact information of the student coordinator, mentor, and faculty advisor are listed below in Table 2.

Table 2: Project Management				
Name	Role	Phone	Email	Address
Ana Miciano	Student Coordinator	(805) 206-5576	amiciano@calpoly.edu	1885 Garfield St. Apt #24 San Luis Obispo, CA 93401
Philip Yang, E.I.T.	Mentor	(805) 305-5598	philip.yang@dot.ca.gov	2885 S Higuera St San Luis Obispo, CA 93401
Anurag Pande, Ph.D.	Faculty Advisor	(805) 756-2104	apande@calpoly.edu	1 Grand Ave San Luis Obispo, CA 93407

Agreement to Hold Harmless

The Cal Poly ITE Student Chapter 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.