

## CEE 595F – Geotechnical Engineering Seminar

Friday, August 30, 2019 | 11:00 AM, Newmark Lab 3310



### ***Summer Internship Experience in Mott MacDonald on BART Silicon Valley Phase II (BSV II) Project***

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#### **Abstract**

The BART Silicon Valley Phase II (BSVII) project, planned by Santa Clara Valley Transportation Authority (VTA), extends the Bay Area Rapid Transit (BART) system to San Jose, California. There is a 6-mile long segment in this project through the downtown of San Jose primarily consisting of a single-bore large diameter tunnel and three cut-and-cover stations (Alum Rock, Downtown San Jose, and Diridon). In the summer of 2019, I was fortunate to participate in this project as an intern in Mott MacDonald. My work is mainly assisting the lead engineers on this project with geotechnical and hydrogeological field investigation. I would like to share my experience with you in this seminar. The following four aspects of the summer internship experience will be discussed.

1. Brief overview of the BSVII project
2. Experience of geotechnical and hydrogeological field investigation
3. Geologic modelling in LeapFrog software
4. Other aspects of experience as an intern