

# What is the WSDOT TMC Internship?



## Goals

- To provide UW engineering students with practical, real-world experiences that they can apply their learning to
- Develop knowledge on freeway operations, data pulling/analysis, and other aspects of WSDOT work
- To build teamwork skills, and gain experience in a professional environment
- To develop working relationships between UW engineering students and WSDOT Engineers
- To build WSDOT engineering workforce – Many former interns have ended up working full time for the TMC/WSDOT.

## Job Description

A TMC Operator's primary responsibility is to operate and adjust WSDOT's Intelligent Transportation System commonly known as "FLOW." These responsibilities include, but are not limited to:

- Identifying congestion, accidents, stalled vehicles and other problems that affect the operation of the Seattle area freeway system using closed circuit television cameras.
- Communicating with the media, State Patrol, WSDOT radio operators and engineers.
- Compiling, organizing and disseminating congestion information to the public through incident messages on the Internet, variable message signs, and highway advisory radio.
- Operating the Seattle area ramp metering system and assisting engineers in the maintenance and improvement of the system.
- Projects as assigned
  - Ramp Meter analysis
  - Traffic Volume Reports
  - Field Reviews
  - Travel time verification
  - Express lanes analysis
  - Sign effectiveness studies
  - Training of new interns

This position requires ~ 12-20 hours per week during the school year and 40 hours per week during breaks (excluding pre-arranged vacation/time off). This position may require you to work shifts starting as early as 5:30 AM or ending as late as 7:30 PM. Work hours are scheduled around your classes.

**An ideal candidate will have:**

- A strong work ethic
- The ability to multitask and keep track of multiple things going on at once
- The ability to work as a part of a team, as well as individually
- A genuine interest in Transportation and/or Civil Engineering
- A willingness to learn