

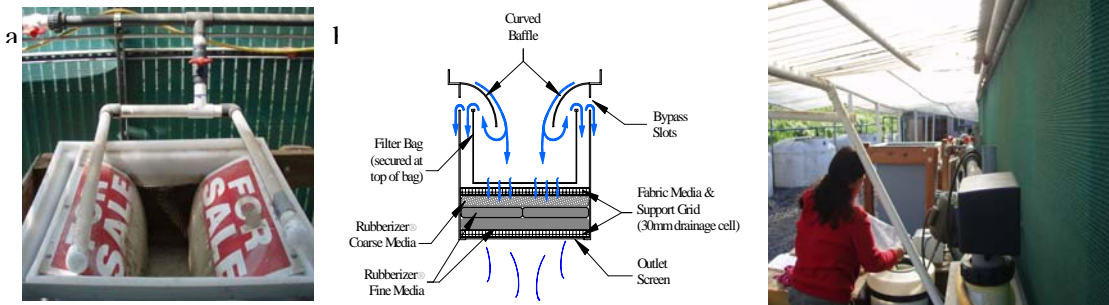
Stormwater Research Opportunity on Campus

Drain Inlet Insert Testing and Development

This project involves the construction, testing, analysis, and reporting of a drain inlet insert for stormwater pollution abatement. Drain inlet inserts are devices that can fit into storm drains and remove various pollutants from roadway runoff. One or both of two designs will be tested – a Caltrans design or one for a private corporation. The work will be done at an existing test facility on campus.

Duties:

- Drain inlet insert fabrication (stitching, metal fabrication)
- Test setup (pumps, mixer, sediment slurry, chemical addition, valves, etc.)
- Sampling (learn proper monitoring technique, and record keeping)
- Analysis: perform suspended solids concentration (SSC) analysis using gravimetric methods
- Reporting: prepare calculations and graphics; contribute to final report text



Benefits: Gain research experience. Help develop a new piece of pollution control equipment. Excellent preparation for graduate school or for use in a Master's project.

Compensation: This is a paid position. Salary commensurate with experience and courses completed, up to \$18 for undergraduates. Maximum of 20 hr/wk during the semester. Possibility of continuing through the summer.

Course Credit: Course credit as CE 199E (technical elective) or CE 199 is possible.

Email resume by Monday December 17 to:
Brian Currier
Research Engineer, Office of Water Programs
brian.currier@owp.csus.edu

For questions on course credit, contact Dr. Johnston (johnston@ecs.csus.edu).