

Creative Thinking

You'll hear this statement a lot around an engineering office: "I didn't think I would have to do this much writing as an engineer!". But there is a lot of writing – reports, grants, permit applications, etc. There is also a lot of creativity involved with engineering. There are often many ways to arrive at a solution, with various costs, materials, or time that guide decisions. And designing itself is a very creative process.

With all that in mind, today we ask you to get creative.

**Can you create captions for the following pictures of our people hard at work?
And please send us your creative answers!**

Stacy Vanderveer



Meet **Stacy Vanderveer**, a Senior Environmental Technician. In her line of work, Stacy provides hazardous materials surveys, asbestos inspections, asbestos abatement project monitoring, lead-based paint inspections, mold investigations, solid waste audits, and OSHA personal monitoring. Here she is using her knowledge of sampling methodologies used in testing for contaminants in air, water, and soil. **What do you think she's thinking?**

Mark Vertucci



This is **Mark Vertucci**, PE, PTOE, who oversees our South Region traffic work. He prepares traffic impact studies, planning studies, corridor studies, parking studies, and traffic management plans, and has experience with traffic signal design projects, roadway design projects, and intelligent transportation systems. But for some reason Mark is wearing his sunglasses indoors. **Can you come up with a short story (one paragraph) describing how Mark ended up wearing his sunglasses at work?**

Jen Thurber



This is **Jen Thurber**, PE a couple of years ago at a job site. Jen's work as a Senior Mechanical Engineer takes her to a lot of different building types as she performs energy audits, boiler MACT analyses, and HVAC design evaluations. Jen helps clients remove or replace underground storage tanks and she helps them figure out if their mechanical and plumbing systems are working to their potential. **Where do you think Jen is in this photo and what do you think she's doing?**

Tim Griffing



Here is **Tim Griffing**, EIT. Tim is a Civil Engineer and also helps with land surveying (see yesterday's lesson for some facts about land surveying). Tim uses a lot of computer programs to help him produce design plans, drainage analysis models, and figures. He has experience in site design, utility layout, sewer design, grading, delineation of watersheds, and hydrologic analysis. But here Tim is wearing waders and is standing in water that is higher than his knees. **What do you think Tim is thinking?**