Civil Engineering Contest

Examples of Past Entries
I started my first day of courses here at the Georgia Institute of Technology's Engineering Program. My Civil engineering professor told me that I am specialized in a specific area of the profession, such as hydraulics, structures, and management. Thanks to his advice, I’ve decided on a degree in structural civil engineering. My parents are really proud of me and say I should strive for a PhD, because they have more experience and earn better wages (around $115,000, as opposed to a mere $50,000). My professors have already told us to get a professional Engineer license before seeking a job as a professional. Engineers are more respected in the engineering community.
What Does A Civil Engineer Do?

- They design, maintain, and enhance private and public infrastructure systems, which is the framework of a structure. Also there are technical fields such as Structural, Environmental, Transportation, Site Development, and Geotechnical. It is typical for a civil engineer to specialize in one or two of those technical fields due to the broad magnitude that the profession covers. They also design and supervise the construction of roads, buildings, airports, tunnels, dams, bridges and water supply and sewer treatment systems. They encompass many specialties. Civil engineers would be responsible for the design of a facility ensuring that it meets all federal, state, and local codes as well as protecting the safety of the general public. They could also be involved during the construction of the facilities to ensure that the property methods are being used.

Before this project ever started, I thought I knew about civil engineering. I thought, “Oh, like The Builder is one of those guys that builds things.”

As you will see, civil engineers are much greater than the simple commons. They design, model, build, and improve our way of life.

Civil Engineering

By Iliana Paterson

Tools They Use
- Computer-aided drafting systems
- Aerial photos
- Maps
- Blueprints
- Geological surveys
- Other tools for assessing the safety and compliance of job sites.

What Civil Engineers Do...

Civil engineering or site engineering consists of planning, mapping, and directing the construction of buildings, roads, water systems and other facilities. They also use computers to prepare and maintain job-related information in various forms to communicate with other knowledgeable people. Their job is to make sure projects are safe and as good as they can be.

Civil engineers manage their job sites in an organized manner. But their goal is to be sure people who end up using their work are happy. They are responsible for the safety of all of our parts.

Civil engineers significantly improve the lives of people through their designs. They invent, implement, and design.

They work constantly to create a new product that benefits others.