



Academic Activity Chapter 7

Describe a Local Civil Engineering Problem

Civil engineering is the oldest organized branch of engineering. Civil engineering projects, which usually affect a local population, include roadways, waterways, and large structures. In the ancient world, the projects took many years to complete and were often revered as great feats. Today civil engineering is occurring all around us on a daily basis. It can be as localized as the retiming of traffic lights, or as major as dams to eliminate flooding in populated areas.

- 1. List three things you use on a daily basis that involved a civil engineer.**

- 2. Name and describe a recent civil engineering project in your area.**

- a. How has it affected daily life for people in your area?**

- b. How has it affected your area's economy?**



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3. Perform an Internet search for an article about a major civil engineering project in the world (a large dam, building, tunnel, or other project). Please answer the following questions completely. Include the website for teacher verification.

a. What is the project and where is it located?

b. How has this project affected the lives of the people who live near it?

c. Most major projects have some negative effects or drawbacks, such as flooding, loss of land, diminished view, or reduced esthetic appeal of an area. Are there any negative effects this project might have on nearby communities?

d. How will the project affect the local economy?
