

America's Infrastructure: Is it Stable?

The answer to that question is, not yet. According to a report done in 2017, the *Infrastructure Report Card* found that America's Infrastructure Score was a D+. This score comes out every four years, but it is based on capacity, condition, funding, future need, operation and maintenance, public safety, resilience, and innovation. They define a D grade as, below standard with most of the condition and is getting close to the end of their lives.



Let's talk about civil engineering.

What is it?

The American Society of Civil Engineers defines civil engineering (CE) as the design, construction, and maintenance of roads, bridges, drinking water, energy systems, seaports, airports, and the infrastructure for a cleaner environment. CE is the foundation of our nation and it allows America to further develop economically. Some of the most important civil engineering projects within the United States include The Golden Gate Bridge, US- 50 highway, The First Transcontinental Railroad, and The Hoover Dam which are not only iconic structures but also vital to American living. Civil engineers learn from natural and man-made disasters in order to create a safer environment for the public.



What is a civil engineer's career path?

According to the U.S. Bureau of Labor Statistics, the median pay for a civil engineer is \$86,640 per year, and to become a civil engineer, one needs a minimum of a bachelor's degree in civil engineering. To become a Project Manager, or to work in a city's Department of Engineering, then a Master's degree is preferred, as well as years of work experience in addition to schooling. If a graduate decides to go to work after they attain a bachelor's degree in CE and after four years of working under a licensed engineer, one can take the Principles and Practice of Engineering exam (PE) which will test competency within CE. The highest pass rate within the civil engineering PE is the Water Resources and Environmental with a pass rate of 71% (NCEES). Once the PE is passed, then generally a specific discipline or specialty is chosen from within the industry of either Transportation, Environmental Development, and Maritime. [ref: NCEES](#)



How can HIVE help you get there?

Here at HIVE Talent Acquisition Firm, we have a specialty in the Transportation arena, assisting Civil and Environmental Engineers, Firms, and Public Government entities. The knowledgeable staff at HIVE have experience assisting individuals with identifying internships, industry-specific resumes, interview preparation, and more. From the firm and government perspective, HIVE makes long-lasting, professional relationships pipelining top talent to employers.

References

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