



Find a career direction using the **Interest Profiler** tool from the U.S. Dept. of Labor at mynextmove.org/explore/ip

START INTEREST PROFILER

- 1. INTERESTS** — Answer 60 easy questions.
- 2. RESULTS** — Print out your Interest Profiler results.
- 3. JOB ZONES** — Select the level of education/training you prefer.
- 4. CAREERS** — Review the list of careers that fit your interests and preparation level. Click on ones that interest you to get a detailed Career Profile.

SAMPLE CAREER PROFILE

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Transportation Engineers

Also called: Project Manager, Transportation Engineer, Traffic Operations Engineer

What they do: Develop plans for surface transportation projects, according to established engineering standards and state or federal construction policy. Prepare designs, specifications, or estimates for transportation facilities. Plan modifications of existing streets, highways, or freeways to improve traffic flow.

On the job, you would:

- Design or prepare plans for new transportation systems or parts of systems, such as airports, commuter trains, highways, streets, bridges, drainage structures, or roadway lighting.
- Investigate traffic problems and recommend methods to improve traffic flow or safety.
- Check construction plans, design calculations, or cost estimations to ensure completeness, accuracy, or conformity to engineering standards or practices.

KNOWLEDGE

- Engineering and Technology**
 - product and service development
 - design
- Transportation**
 - movement of people or goods by air, rail, sea, or road
- Math and Science**
 - arithmetic, algebra, geometry, calculus, or statistics
 - physics
- Arts and Humanities**
 - English language

PERSONALITY

People interested in this work like activities that include **practical, hands-on** problems and solutions.

They do well at jobs that need:

- Analytical Thinking
- Attention to Detail
- Integrity
- Initiative
- Cooperation
- Achievement/Effort

TECHNOLOGY

You might use software like this on the job:

- Computer aided design CAD software**
 - Bentley GEOPAK Civil Engineering Suite
 - Bentley Microstation
- Analytical or scientific software**
 - McTrans HCE+
 - Trafficware SynchroGreen
- Map creation software**
 - Bentley InRoads software
 - ESRI ArcGIS software

EDUCATION

bachelor's degree usually needed

Get started on your career:

[Find Training](#) [Find Certifications](#)

JOB OUTLOOK

Bright New job opportunities are very likely in the future.

SAALRY: **\$79,340** per year, on average

green This work is part of the green economy.

EXPLORE MORE

- [Chemical Engineers](#)
- [Computer Systems Engineers/Architects](#)
- [Petroleum Engineers](#)
- [Product Safety Engineers](#)
- [Validation Engineers](#)

You might like a career in one of these industries:

- [Professional, Science, & Technical](#)
- [Government](#)

See more details at **O*NET OnLine** about transportation engineers.

Help Explore Careers O*NET Sites

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REVIEW the Career Profile that most interests you. Then fill in this information:

JOB TITLE: _____

EDUCATION NEEDED:
 Certificate Apprenticeship 2-year Degree 4-year Degree

EDUCATION/TRAINING is available at (input a location): _____

PROGRAM OF STUDY IS _____

JOB OUTLOOK for this career is:
 Bright Average Below average

AVERAGE SALARY you might expect to earn: _____

After reviewing the Career Profile, list 3 reasons why this career would be right for you:

- _____
- _____
- _____

If you found several careers that interest you, review and fill out this information sheet for each one. Then compare your results. Use the **Thinking Caps** tool in the Decision lesson to help you make a choice.