

Graduate Engineer Development Program Curriculum (continued)

Hydraulics

You'll learn how to size culverts, collect data and take photographs – splitting your time between field work and the office.

Roadway Maintenance

You'll learn about drainage, pavement maintenance, mowing, snow and ice removal and landscaping techniques.

Planning

You'll learn about the planning strategies INDOT uses to map the future of transportation in Indiana.

Roadway Services

You'll learn about roadway standards and assist with project design and design review.

Traffic Management

You'll discover the high-tech systems used for today's advanced traffic management. From learning about Indiana's Hoosier Helpers program to traffic cameras, you'll receive an in-depth look at the future of transportation.

Get Started!

If you have additional questions or are interested in the program, contact Brandi Jittjumnongk, INDOT Recruitment Consultant, 812-895-7305, bjittjumnongk@indot.in.gov



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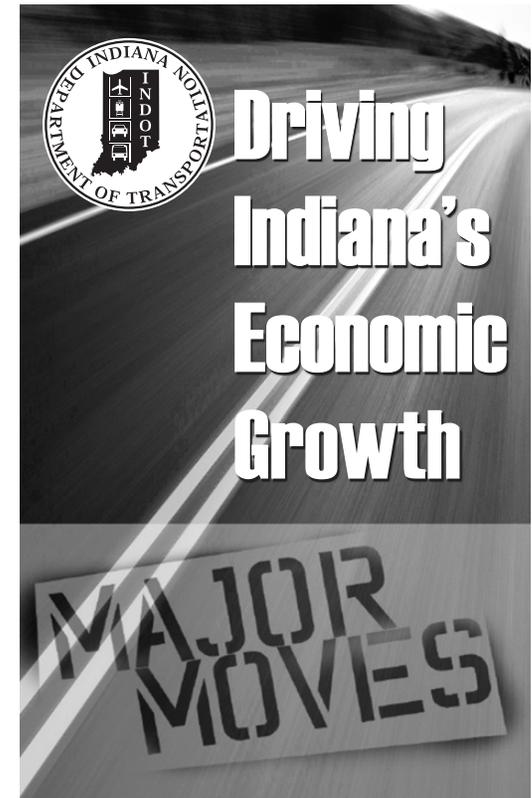
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What is the Graduate Engineer Development Program (GEDP)?

The Graduate Engineer Development Program (GEDP) is the next step after graduation. In this program, you will:

- Become a well-rounded engineer
- Take the next step toward your Professional Engineer certification
- Greatly increase real-world experience while in a full-time job
- Gain an insider's knowledge that would take others years – maybe even a lifetime – to learn
- Sample jobs in every area of INDOT, ensuring you pick the place that's right for you
- Gain an invaluable view of how all the areas of INDOT work together
- Network with other professionals within many areas of the agency

How does the Graduate Engineer Development Program work?

The Graduate Engineer Development Program is about designing a training program to meet your needs and advance your education. The typical program lasts one year with rotations working at Central Office in Indianapolis and in an INDOT District Office. The program can be made longer or shorter based on your interests and past experience.

What will I learn in the Graduate Engineer Development Program?

During the program, you'll gain years of experience in a matter of weeks. One week you may be working on an active construction site – learning layout and supervising bridge construction. The next week you may be in a high-tech materials testing laboratory – smashing steel beams to test for strength or drilling with a huge machine to test soil quality.

What happens after I finish the program?

After completing the Graduate Engineer Development Program, you and the GEDP Coordinator will work to find a permanent assignment at INDOT in the location and career path that's right for you and INDOT.

Graduate Engineer Development Program Curriculum

Construction

You'll receive on-site training in field construction including layout, excavation, embankment and drainage. You'll also prepare for construction jobs and check final construction records.

Materials Management

You'll learn how to test and inspect highway materials, tour an asphalt plant and see an underground mine first hand.

Traffic Engineering

You'll conduct traffic investigations, learn advanced signal-timing techniques and more.

Structures and Bridge Design

You'll refine your design skills with courses in geometrics, hydraulics, soils and pavements, along with on-the-job training.

Geotechnical and Foundation

You'll test aggregates, cement, steel and other materials. In addition, you'll get hands-on experience with soil investigation.

Highway Operations

You'll learn about work zone safety and check an interstate work zone for safety. You'll also visit the Emergency Operations Center, learn about pavement preservation and more.