**Careers in Transportation**

**What is Transportation?**
The safe, efficient, reliable, and sustainable movement of persons and goods over time and space.

**Modes of Transportation**

- **Air** – whether shipping goods or transporting passengers, air travel is one of the fastest (and more expensive) forms of transport.
- **Pipeline** – found underground most often, pipelines typically transport liquids or gases over long distance. This mode is often used to ship petroleum or natural gas.
- **Water** – a less expensive alternative to air, transportation on water serves as the majority of goods shipment oversees. The largest shipping container ship in the world can hold 16,000 containers (each of which is 40 feet long). That is a lot of goods!
- **Railway** – serving both passenger and goods movement demand, the railway industry ships 42% of the nations freight.
- **Roadway** – housing numerous modes (personal vehicles, public transit, trucks, bicycles, pedestrians) this includes both highways and less busy local corridors. Infrastructure for these modes such as roads, bridges, bike lanes, sidewalks, and crosswalks is expansive!

**Career Fields in Transportation**

- **Engineering**
  - Academic professor
  - Aerospace engineer
  - Airport designer
  - Air traffic controller
  - Civil engineer
  - Construction manager
  - Environmental impact analyst
  - Freight movements specialist
  - Intermodal transportation specialist
  - Licensed customs broker
  - Mechanical engineer
  - Operations manager

- **International Business**
  - Public transportation manager
  - Project manager
  - Risk analyst
  - Safety analyst
  - Transportation analyst
  - Transportation policy maker
  - Traffic Engineer
  - Urban planner
  - Operator (barge, train, plane, public transit, etc.)

- **Mathematics**
- **Planning**
- **Public Service**
- **Science**
- **Technology**

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**Opportunities in Transportation**

- 1 in 8 US jobs is directly related to transportation (nationalatlas.gov).
- Roughly 50% of the transportation workforce will retire over the next 10 years (The National Academies Press– The Workforce Challenge).

**For More Information**

- Go! Exploring the world of transportation — www.go-explore-trans.org
- The Institute of Transportation Engineers — www.ite.org
- Fast Forward: Enhancing Awareness of Transportation Careers — burl.co/20A7F01#.Ub83fbYT0t4.gmail