Transportation Engineering

Careers in the

Development, Delivery, and Preservation of Transportation Projects

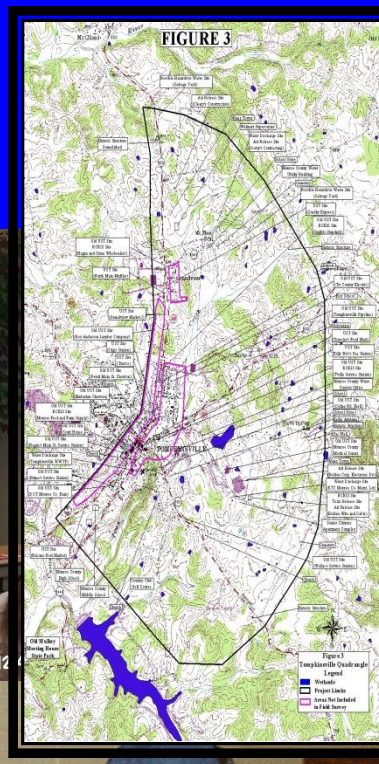
Transportation Engineers

- Analyze movement of persons and goods.
- Plan, design, test, construct, maintain and operate various transportation modes (e.g., highway, railway, air, water, etc.).
- Design traffic management systems.

Transportation Projects—
Development & Delivery Process

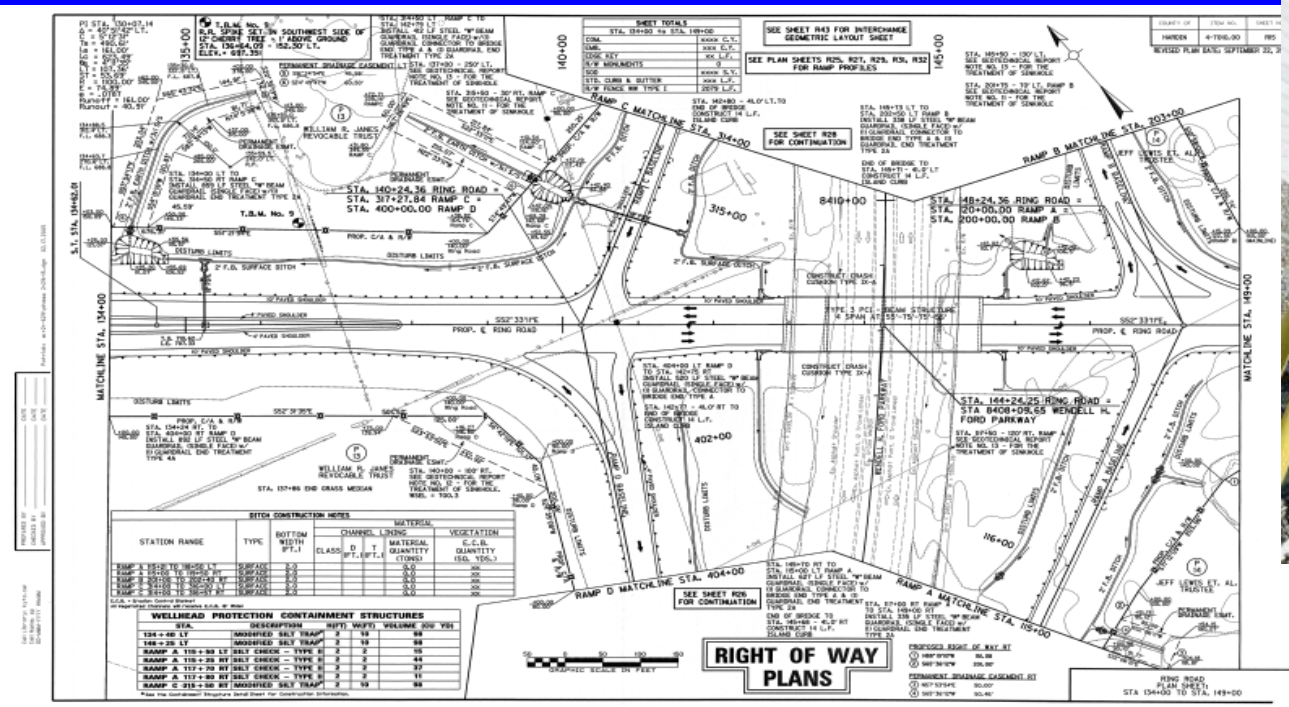
Planning

- Find problem areas that need improvement
- Gather input from the public.
- Set the criteria for the design.



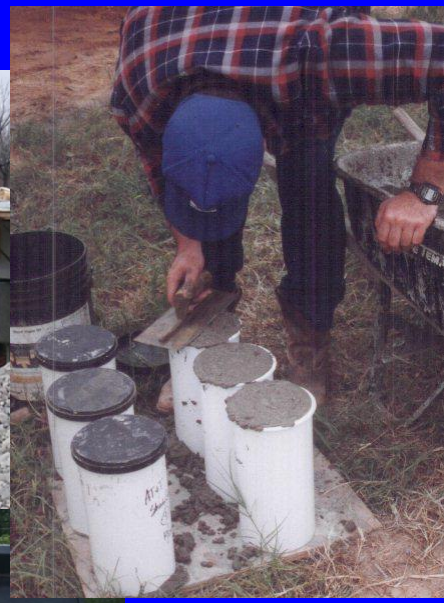
Design

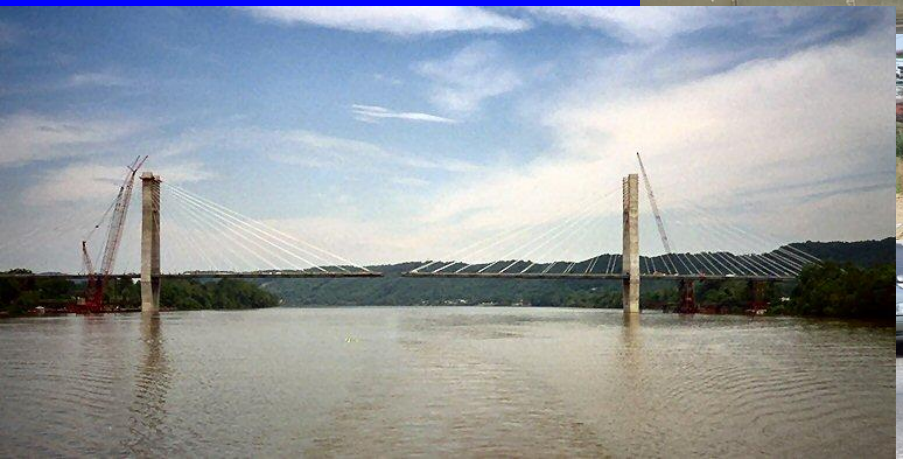
- **Creates the “RECIPE” for the Project**
  - **Ingredients & Instructions**



Construction

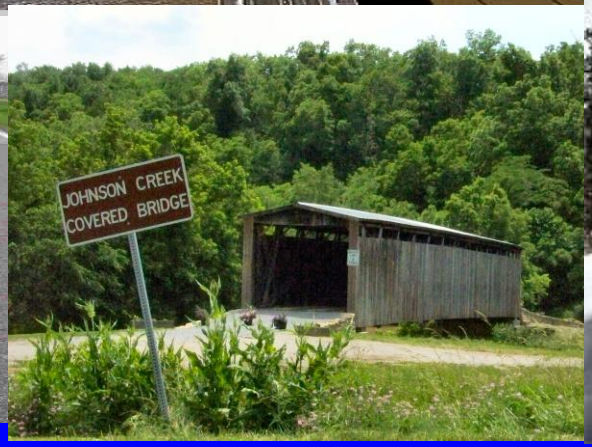
- Follows the “recipe” from design to build the solution to the problem.





Operations/Maintenance

Takes care of the structure of the system.



TRAFFIC

Takes care of the users of the system using signs, signals, and striping.