

Terrance Lizzo

Bridge Engineer

✉ terrance.lizzo@gmail.com

☎ (145) 833-4923

📍 1234 Cherry Lane, Richmond, VA 23221

EDUCATION

Bachelor of Science in Civil Engineering at Virginia Tech, Blacksburg, VA

Aug 2013 - May 2018

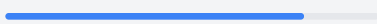
Relevant Coursework: Structural Analysis, Steel and Concrete Design, Geotechnical Engineering, Transportation Engineering, Fluid Mechanics, Environmental Engineering, Construction Management, and Surveying.

LINKS

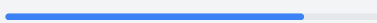
[linkedin.com/in/terrancelizzo](https://www.linkedin.com/in/terrancelizzo)

SKILLS

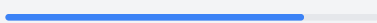
AutoCAD



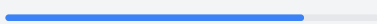
SAP2000



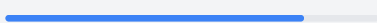
LPILE



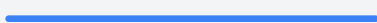
MIDAS/Civil



STAAD.Pro



Mathcad

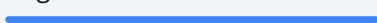


Bentley RM Bridge

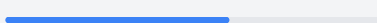


LANGUAGES

English



Dutch



HOBBIES

Model bridge building

PROFILE

Highly skilled Bridge Engineer with 5 years of experience in designing, analyzing, and maintaining bridge structures. Proficient in utilizing the latest engineering software and technologies to ensure structural integrity and compliance with industry standards. Demonstrated ability to collaborate effectively with multidisciplinary teams and manage multiple projects simultaneously. Strong commitment to safety, quality, and continuous improvement. Excellent problem-solving and communication skills, with a proven track record of delivering innovative and cost-effective solutions for complex bridge engineering challenges.

EMPLOYMENT HISTORY

● Bridge Engineer at AECOM, VA

Feb 2023 - Present

- Completed the design and construction of a 500-meter cable-stayed bridge, resulting in a 20% increase in traffic capacity and improving overall transportation efficiency in the region.
- Successfully managed a \$50 million bridge rehabilitation project, completing it within budget and ahead of schedule by three months, leading to a 15% reduction in maintenance costs over the next five years.
- Developed and implemented innovative analysis and design techniques for a complex, curved steel girder bridge, reducing material costs by 10% and shortening construction time by two months.
- Led a team of engineers in the inspection, evaluation, and repair of over 200 bridges in Virginia, ensuring all structures met safety and performance standards and extending their service life by an average of 10 years.

● Associate Bridge Engineer at Collins Engineers, Inc., VA

Jul 2018 - Dec 2022

- Led the successful design and construction of a 500-ft long pedestrian bridge in Virginia, which was completed ahead of schedule and within the budget of \$2.5 million, resulting in increased connectivity and accessibility for the local community.
- Conducted comprehensive structural analysis and load testing for a major highway bridge rehabilitation project, resulting in a 25% reduction in required maintenance costs and extending the service life of the bridge by an additional 15 years.
- Developed and implemented innovative solutions for a complex bridge widening project, overcoming challenging site constraints and achieving a 20% increase in traffic capacity while maintaining strict safety and environmental standards.

CERTIFICATES

Professional Engineer (PE) License

Jan 2022

International Association for Bridge and Structural Engineering (IABSE) Membership Certificate

Mar 2020