

Mr. Higgins is a visionary R&D leader with more than 38 years of experience translating operational challenges into high-value technology solutions. He is recognized for identifying costly business inefficiencies and deploying advanced capabilities—including UAVs, machine vision, AI, and IoT—to improve safety, efficiency, and decision-making. His track record includes rapidly developing prototypes, securing intellectual property, and scaling successful pilots into enterprise-wide programs. He also communicates complex technical strategy effectively to executive stakeholders and regulatory agencies, including the FRA and NTSB.

Education

Master of Business Administration, Jacksonville University
Bachelor of Science, Engineering Science and Mechanics,
Georgia Institute of Technology

Languages

English

Positions Held

Engineering Systems Inc., Aurora, Illinois

- Senior Consultant | 2026 – Present

CSX Technologies, Jacksonville, Florida

- Director of Engineering Innovation | 2023–2026
- Manager – Engineering Office Solutions | 2018–2023
- Technical Director – Enterprise Architecture | 2017–2018
- Technical Director – Innovation | 2016–2017
- Technical Director – GIS Applications | 2009–2016
- Earlier roles at CSX, complemented by 10 years of prior civil engineering experience specializing in site design and hydrology.

Contact Information

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Areas of Specialization

- R&D Strategy
- Emerging Tech
- Business Impact
- Software & Data

Professional Affiliations/Honors

- Member, AREMA Committee 2
- Member, ITC Data Management Committee
- Member, AAR GIS Committee