

Bridge Design Section Mission, Objectives and Culture

Our Mission: Support mobility and asset management and protect public safety by producing safe, high quality, practical, and innovative structural/mechanical/electrical designs.

Our Objectives:

1. Manage on-system and off-system bridge preservation programs, bridge preventive maintenance program, bridge scour program, and lighting program; optimize use of funding to improve and preserve conditions of assets; deliver preservation, rehabilitation, replacement, and new capacity projects to meet letting schedule.
2. Provide engineering services in all stages of DOTD's project delivery process as Project Managers and Bridge Task Managers; foster strong relationships with external partners (FHWA, USCG, LPA, etc.) and internal DOTD partners through open communication and cooperation; actively seek feedback from aforementioned parties to improve services.
3. Develop and maintain state-of-the-art policies and procedures, design manuals, standards and specifications; provide safe, high quality, practical, and innovative structural/mechanical/electrical designs for all projects.
4. Perform and update bridge load ratings, issue load postings when required, review overload permits, and monitor conditions of scour-critical bridges to protect public safety.
5. Provide support to Bridge Construction and Maintenance Sections and Districts to meet their operation needs.
6. Participate in national and local technical organizations (AASHTO, NCHRP, TRB, ASCE, etc.) and build strong relations with AASHTO members and technical leaders to share knowledge and experiences; implement lessons learned, best practices, and innovations to improve design practice continuously.
7. Develop and maintain a capable in-house staff with technical expertise and strong leadership skills through active recruiting, structured training, mentorship, and development of strategically selected projects tailored to their professional needs; retain staff through involvement in complex and challenging projects, innovative pilot projects, national and local technical organizations, and policy development.
8. Build mutual trust and respect with consultant community through open communication, contract enforcement, performance rating, and technical support.
9. Develop and maintain SOPs for administrative staff and key technical positions for the purposes of cross-training and succession planning and ensuring smooth day-to-day operation of the section; Develop and monitor section budget and optimize use of resources.
10. Establish and maintain an emergency preparedness and response plan to quickly react to possible consequences of extreme events (accidents, natural disasters, structural failures, etc.).

Our Culture:

Integrity – Demonstrate honesty and strong moral principles in the workplace

Commitment – Set realistic and achievable goals and complete tasks as promised

Quality – Do things right the first time and follow QC/QA policy

Efficiency – Plan work strategically and optimize use of resources

Cooperation – Work together with internal and external partners to achieve common goals

Adaptability – Respond and adjust to new processes and changing priorities with positive attitude