



## Career Opportunity: Dam Safety Engineer

### About Streamworks

Streamworks is a professional engineering firm specializing in stream, shoreline, wetland, stormwater, and dam projects across the Northeast. Streamworks supports its clients through the entire project lifecycle including assessments, planning, conceptualization, design, funding, permitting, public outreach, construction management, and long-term monitoring. Typical projects include watershed studies, flood mitigation plans, stormwater management designs, geomorphic assessments, stream restoration, dam assessments, dam rehabilitation, dam removal, living shorelines, stream and tidal crossing replacements, and fishways. As a small business, Streamworks is a close-knit, “flat” organization with ample opportunity to win, lead, and manage a variety of projects at all phases of the project lifecycle. Streamworks principal offices are located in New Hampshire’s Seacoast and Greater Portland, Maine; Streamworks also maintains a part-time presence in New York’s Southern Tier.

### Job Responsibilities

- Commensurate with responsibilities of ASCE Engineer Grade IV or V
- Effectively communicate and coordinate with multi-disciplinary staff, subconsultants, regulatory agencies, and private and public clients to effectively manage and deliver riverine and dam projects
- Lead geotechnical and/or structural analyses and designs including but not limited to:
  - Conducting visual dam safety inspections
  - Planning subsurface explorations and other geotechnical investigations
  - Conducting slope stability and seepage analyses for steep slopes, existing embankment dams, and proposed improvements using SLIDE, SLOPE/W, or similar software packages
  - Design of slope stability improvements, retaining structures, seepage control measures, dam crest raises, and/or spillway improvements for dams
  - Design of temporary water control measures (cofferdams, etc.)
- Lead the preparation of technical reports for client and regulatory review, including:
  - Technical memorandums detailing engineering calculations and recommendations
  - Engineering Assessments (NY), Phase 1 Inspections (MA), or similar
  - Alternatives analyses and feasibility assessments
  - Basis of Design reports
- Lead the development of Bid Documents, including drawings and technical specifications, for the construction, rehabilitation, repair, and/or removal of dams
- Support construction including submittal reviews and occasional engineering site visits
- Support the preparation of marketing materials and proposals, including developing technical approaches, scopes of work, and budgets
- Lead internal and external meetings, including public meetings
- Develop relationships and new business opportunities with existing and potential clients
- Support, supervise, and/or lead drafting using AutoCAD Civil3D
- Supervise the technical work of and mentor junior and support staff
- Day travel within New York and/or adjacent states and limited overnight travel (less than ten nights per year)



## Benefits

- Expected salary range: \$95,000 to \$145,000, dependent on location and experience with higher range expected for those candidates that have sufficient experience managing and leading similar projects and are able to contribute to business development immediately
- Part-time and full-time options with flexible working hours
- Fully remote opportunity provided location is within or proximate to New York's Southern Tier
- Potential to lead Streamworks' dam safety division
- Potential for ownership stake in Streamworks

## Minimum Qualifications

- Five to ten years' engineering experience to lead the aforementioned job responsibilities with regular independent review and peer discussion
- Professional Engineer licensed, or able to become licensed within six months, in New York, Pennsylvania, and other northeastern states
- Engineering experience in the geotechnical and/or structural design of dams
- Conceptual familiarity with hydrology and hydraulics
- Prior experience as lead author for technical memorandums and/or reports

## Preferred Qualifications

- Ten to twenty years' engineering experience to self-direct accomplishment of the aforementioned job responsibilities with end-of-task independent quality assurance reviews
- Engineering experience in technical fishways, landslide mitigation, pipe design, emergency action planning, erosion and sediment control design, bridge design, and/or hydrologic and hydraulic modeling of dams and riverine systems
- Two or more years' experience managing projects
- Experience serving as Engineer-of-Record
- Prior drafting experience using AutoCAD Civil3D
- Understanding of permit process for dam safety, wetlands, waters of the United States and/or states, erosion and sediment control, historic and cultural resources, and other permits as they pertain to designing projects to comply with permitting requirements and conditions

## Interested in Joining Streamworks?

Please submit a current resume to hiring manager Mr. James Woidt, [jwoidt@streamworkspllc.com](mailto:jwoidt@streamworkspllc.com).

## Anticipated Hiring Schedule :

Jan. 13, 2025 to Feb. 28, 2025:	Advertise position; candidates submit a resume
Through March 15, 2025:	Review resumes; contact short-list of applicants for interview(s)
Through March 31, 2025:	Virtual interview; in-person interview; offer to top candidate
By May 1, 2025:	Position start