

ABOUT OEI

BUSINESS LINES

Water Resources

Facilities – Assessments, Design, Construction Admin
Infrastructure

Program/ Project Management

CERTIFICATIONS

Service Disabled Veteran Owned Small Business
(SDVOSB)

State of Texas HUB Firm

NCTRCA Small Business Enterprise (SBE)

CONTACTS

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DAM & LEVEE SAFETY

OEI has been providing dam and levee safety services for nearly four decades. With our robust hydrologic and hydraulic modeling and analysis services, and proven project management approach, solving water impoundment issues and providing safe and enduring water infrastructure is an important part of how we serve our customers. We understand what the critical failure signs are, how to solve and rehabilitate them, and how to achieve streamlined permitting approvals at the local, state, and federal levels. Our services include inspections, hydraulic modeling, studies, inundation mapping, embankment stability, seepage analysis, and rehabilitation design and support including construction documents and construction phase services. We have served state, federal, municipal, and private dam owners and are therefore knowledgeable and empathetic to the varying needs of each owner – as well as the varying requirements each owner must adhere to.

Representative municipal and federal projects, not including many dozens of private projects:

- USFS Davy Crockett National Forest Ratcliff Dam Rehabilitation (Lufkin, TX)
- USFS Sherando Lake Dams Investigation, Rehabilitation (Augusta County, VA)
- Camp Maxey Dam Rehabs (Lamar County, TX)
- Fort Hunter Liggett Dam Safety Inspections (Monterey County, CA)
- Red River Army Depot's Caney Lake Dam Rehabilitation (Texarkana, TX)
- Clayton and Carlton Lake Dams Breach Analysis (Pushmataha and Latimer Counties, OK)
- Levee Engineering Analysis and Evaluations (Denton County, TX)
- Keller Park Dam Rehabilitation (Keller, TX)
- Lake Forest Dam Rehabilitation (Denton, TX)
- Southwest Nature Preserve Dam Rehabilitation (Arlington, TX)
- Crawford Memorial Park Dam Design, Water Rights (Dallas, TX)
- Richland College Dam Rehabilitation (Dallas, TX)
- NRCS Lake Site Dam No. 42 Emergency Action Plan, Breach Analysis (Alvarado, TX)
- Exall Lake and Wycliff Avenue Dams Emergency Action Plans, Rehabilitation (Highland Park, TX)