

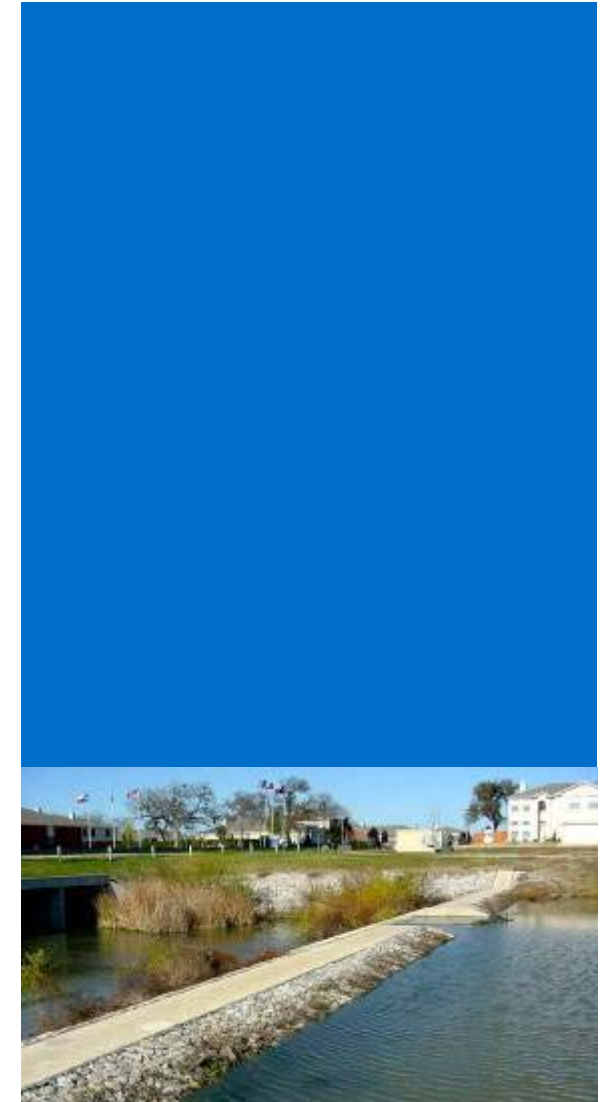
**O'BrienEngineering, Inc.** (OEI) is a civil engineering consulting firm in Dallas, Texas. The Veteran Owned Small Business (VOSB) provides specialization in hydraulics and hydrology, floodplain management, drainage analysis, dam safety, GIS, and regulatory permitting.

Established over 20 years ago in 1987, OEI's project experience and expertise includes:

- hydraulics and hydrology (complex and basic; hydrodynamic / unsteady flow analysis)
- drainage (master drainage studies, storm drainage analysis and design, complex drainage analysis)
- floodplain (management and administration, reclamation, erosion control, permitting)
- regulatory coordination (municipal, FEMA, USACE, EPA, TCEQ)
- land development (design and permitting commercial, retail, residential; construction drawing preparation)
- landfill permit application
- writing floodplain and drainage ordinances
- watershed studies
- flood control
- geographic information systems (GIS)
- expert testimony

OEI's broad range of clients include:

- municipalities (e.g., Corinth, Dallas, Garland)
- government entities (e.g., AGD, USACE, FEMA)
- architectural firms (e.g., FSB, BRW, SRA)
- other engineering firms (e.g., Half, Golder, TranSystems)
- industry (e.g., DCCCD, XTO Energy, Stanley Tools)



**O'BrienEngineering, Inc.**

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Over Twenty Years of Excellence Since 1987  
Texas Firm ID # F-3758  
*Veteran Owned Small Business*

**O'BrienEngineering, Inc.**  
Hydraulics . Hydrology . Civil Engineering

## Defining the problem.....meeting the need.

### City of Garland Downtown Complex Drainage Analysis and Remediation

For the City of Garland, OEI evaluated existing conditions and developed solutions for drainage improvements at four locations: La Jolla Drive, Curtis Drive, O'Banion Road, and Sixth and Walnut Streets. The existing surface and subsurface drainage systems were analyzed, including all drainage elements from the gutters and inlets to the creeks. Numerous elements of the system were found to be undersized. OEI evaluated several concepts and ultimately developed a cost effective solution that included removing an ill-place diversion, augmenting several system elements, and using detention.



*During: Drainage Remediation, Garland*

### Town of Highland Park Exall Lake Dam and Wycliff Avenue Dam Safety Evaluations and EAPs

For the Town of Highland Park on its two dams, OEI prepared a plan of action to address several needed repairs as well as the hydrologic and hydraulic modeling and analysis, operation and maintenance plans (O&M), and emergency action plans (EAP). Inundation mapping was conducted using the results of both the hydrologic and hydraulic modeling and was based on existing available GIS data. OEI provided a flood study report, an advanced visual assessment report, coordination with TCEQ, and presentation to City Council.



*During: Exall Lake Dam, Highland Park*

### City of Dallas Erosion Control and Wastewater Improvements

For the City of Dallas, OEI provided erosion control and wastewater improvements at five locations: Claremont Drive, Clarksdale Drive, Coolgreene Drive, Healey Drive, and Hunnicut Road. OEI provided civil engineering services including the preparation of the erosion control and wastewater conceptual plan, pre-final design, final design, and facilitation of the project bid phase (including the preparation of opinions of probable cost (OPC). Project involved sanitary sewer engineering, major utility adjustments, slope stabilization, and regulatory permitting.



*Before: Erosion Control, Dallas*

"OEI provided the City a thorough flood study of a unique drainage situation at the confluence of a major creek and tributary. OEI was professional in their approach and evaluation and produced an informative and well organized report." – Michael Polocek, PE, City of Garland

"The Town has been very pleased with the inspection and evaluation [OEI] prepared for the two dams. During this important undertaking, I found your staff to be very knowledgeable, responsive, and meticulous. Thanks for the good work." – Meran Dadgostar, PE, Town of Highland Park

"OEI staff asked thorough questions, provided detailed engineering plans that had been checked for accuracy, and was responsive to specific client needs." – Samir Goel, City of Dallas