

The Robert B. Balter Company Overview

The Robert B. Balter Company (Balter) has long been a leader in the highly-specialized fields of Geotechnical and Geo-Environmental Engineering, Pavements, Quality Assurance (QA)/Quality Control (QC) Testing and Inspection, Special Inspections, Acceptance Testing, Materials Laboratory Testing and Subsurface Exploration. For over half-a-century Balter has provided inspection, testing and engineering services on over 17,500 projects predominately throughout the expanded Eastern region, but inclusive of United States, It's Territories, and Internationally.

Balter personnel hold Professional Engineering and Professional Geology licenses as well as advanced certifications including CQM-certifications (USACE & NAVFAC), NICET, ASNT Level III MT, PT and UT NDT Certifications, CWI, ICC, ACI, NASSCO, WACEL, NACE, AHERA, OSHA and other nationally recognized agencies to fulfill design and construction inspection credentials requirements. All procedures are performed in accordance with a Quality Management System (QMS) Manual approved by accrediting agencies.

As a recognized WBE/WOSB, Balter offers a boutique-type consulting service to high quality clientele, ensuring consistently excellent service, dedication to individual needs and a positive team-oriented work environment.

The firm's geotechnical and geo-environmental engineering department is supported by a fleet of all-terrain and truck mounted drill rigs and a full-service, accredited material testing laboratory which is operated in strict compliance to the requirements of AASHTO, ASTM E-329, the National Bureau of Standards, validated by the U.S. Army Corps of Engineers, and accredited by AASHTO Resources and the Washington Area Council of Engineering Laboratories (WACEL).

BALTER'S PROFESSIONAL INVOLVEMENT...

Design

- Perform Geotechnical, Geophysical, and Pavement Evaluations
- Provide Geo-Environmental Evaluations
- Earthwork and Construction Materials Consultations
- Participate in Design Meetings Regarding Construction Materials
- Prepare Construction Management Plan QA Section
- Forensic Analyses of Constructed Structures, Slopes and Pavement
- Provide Recommendations for Cost Alternatives
- Prepare Construction Management Plan Materials QA Section
- Establish QA Programs per Updated FAA AC's
- Reviewing Plans and Specifications
- Provide Peer Reviews in Relevant Disciplines
- Provide Permit-Ready Designs for Segmental Retaining Walls, Flexible and Rigid Pavements
- Geotechnical Methods and Construction Materials for LEED Goals



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Pre-Construction

- Alternatives – Value Engineering
- Assess Site Development Options for Earthwork and Foundations
- Review Contractor's CQC Plan
- Review Submittals
- Evaluate QC Laboratory and Production Facilities

Construction

- Acceptance Testing
- QA Testing & Inspection
- Special Inspections (SI) per IBC and/or Local Code Department
- Structural Steel (CWI and ICC) & ASNT-Non-Destructive Testing & Inspections
- Geotechnical and Construction Materials Consultations
- Review of Geotechnical and Construction Materials RFI's
- Provide Authority Having Jurisdiction (AHJ) Reports including Non-Compliances, Deficiencies, and Certifications
- Act as Subject Matter Experts (SME) for Construction Solutions

MATERIALS LABORATORY CAPABILITIES...

Balter has achieved among the highest levels of accreditation including ten (10) Agency and 92 ASTM and AASHTO, and 53 USACE individual laboratory procedures demonstrating a commitment to the highest standard of professional services, and includes a wide array of conventional and sophisticated fully automated and computerized equipment to offer materials testing on soils, concrete, rock, aggregates, asphalt, masonry, CIPP, fireproofing and other specialized tests.

- **ASTM E329:** Agencies Engaged in Construction Inspection, Testing and Special Inspections
- **AASHTO R-18:** Agencies Engaged in Construction Inspection and/or Testing
- **ASTM C1077:** Testing Concrete and Concrete Aggregates
- **ASTM C1093:** Standard Practice for Accreditations for Testing Agencies in Unit Masonry
- **ASTM D3666:** Testing and Inspecting of Road Paving Materials
- **ASTM D3740:** Testing and Inspection of Soil and Rock in Engineering Design and Construction
- **ER 1110-1-261:** US Army Corps of Engineers Validations
- **Construction Quality Management for Contractors - Certified:** USACE and NAVFAC for Inspection and Testing of Military Facilities
- **WACEL** – Soils and Concrete
- **NASSCO** – PACP, MACP and LACP for CIPP



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SUBSURFACE EXPLORATION CAPABILITIES...

Drilling Equipment - Balter owns truck-mounted, all terrain, and portable drilling rigs, including support vehicles and associated equipment; soil and rock drilling and sampling devices; calibrated automatic hammers; hollow stem augers and casing; wireline equipment (multiple sizes) for deep rock drilling and verification coring; packer equipment; environmental sampling and screening devices, geophysical apparatus; and a repair, maintenance, and fabrication/welding shop. Balter's Drilling Crews consist of Master Well Drillers (multiple jurisdictions) with OSHA 40-hour safety training and Maintenance of Traffic (MOT) training. Managers have OSHA Managers' training.

Diverse Experience - Balter is experienced with land and water borings, oriented coring, deep rock coring, verification coring, angled drilling, solid-stem and hollow-stem auger, mud-rotary wash, piezometers, monitoring wells, recovery wells, in-hole instrumentation, inclinometers, settlement points, and multiple point extensometers; and environmental sampling and screening. Balter's crews have worked in the most intense and difficult traffic-control situations with an enviable safety record.

QUALITY MANAGEMENT SYSTEM (QMS)...

Adherence to proper QA/QC protocol is of utmost importance among project management tasks. Balter has developed a Quality Management System (QMS) that enforces an elevated level of proficiency and quality control oversight which ensures timely and efficient completion of all tasks and subtasks. Our QMS Manual stresses the importance of proper review, supervision, training and accreditation for engineering, laboratory testing and construction inspection services offered, and is reviewed and proven acceptable to multiple Agencies during (re) Certification and Accreditation.

ENVIRONMENTAL STEWARDSHIP...

Balter takes an aggressive Green approach to our entire practice from streamlining of administrative procedures and recycling to reduce our office carbon footprint, to clean-diesel drill rigs adhering to the latest EPA Tier 4 standards; use of Green solvents and lubricants, controlled recycling, and all geotechnical designs consider methods to achieve the highest LEED project standards.

INDUSTRY COMMITMENT...

Committed to remain on the cutting edge of our industry standards, we are active participants as well as technical representatives and voting members of the following national committees:

- **Voting Member of ASTM Committee E36 for Certification and Accreditation, and Agencies Engaged in Inspection, Special Inspection and Testing**
- **Member of NICET Board of Governors and Past Chairman**
- **Member of NICET Test Development Committee**
- **Former Member of National Society of Professional Engineers (NSPE) Board of Directors**
- **Engineering Committee Member of Airports Consultants Council (ACC)**

