



Universal Testing & Inspection Services, Inc.

(UNIVERSAL) is a nationally accredited professional services firm with broad expertise in: construction materials testing, special inspections, support engineering and geotechnical & environmental services/ drilling.

Since our inception in 1992, Universal has established itself as an industry-leader and has evolved into one of the largest regional providers of professional technical services to a broad base of clients and markets.

Our technical staff is comprised of Professional Engineers, Registered Architects, (Civil, Mechanical, Structural and Environmental) Engineers, Certified Inspectors, Drillers and NDT Technicians. They are among the most qualified, certified and experienced within our servicing industries. Depth in personnel and their broad-range of skill and experience gives us the ability to serve clients promptly, efficiently and effectively.

CONSTRUCTION MATERIALS TESTING SERVICES

Construction Materials Testing (CMT) services is one of the largest business unit at Universal. We are fully equipped, professionally staffed and accredited to provide a comprehensive range of soils, aggregates, concrete, asphalt, masonry, fireproofing and coatings- testing and inspection services in our accredited Labs, in the field or at the manufacturer facilities. Our considerable depth in qualified personnel enables Universal to provide our clients with the inspection support they need at any location, for any shift or as project needs arise. Our dispatch department is available 24 hours a day, 7 days a week.

Universal's testing facilities are Nationally Accredited and completely out-fitted with state-of-the-art equipment and are rigorously inspected by the National Bureau of Standards and the Cement and Concrete Reference Laboratory, American Association of State Highway and Transportation Officials (AASHTO). Testing and Inspection procedures are performed in accordance with ASTM, ACI, AASHTO, local building codes, project specifications and other applicable standards. Universal is accredited to the highest standards- E329, C1077 and C1093. In addition to our AASHTO Accreditation, we are a Nationally Accredited Special Inspection Agency by the International Accreditation Service (IAS) which furthers our position as industry leaders.



MARKETS | INDUSTRIES

Universal serves a multitude of industries and markets; with heavy construction, engineering, land development real estate and building construction being our core markets. For over 20 years our clients have selected Universal for our depth in qualified personnel, full-service capabilities and unwavering commitment while minimizing our clients' risk in our related fields. As a company, we have experienced the learning curve, built upon our expertise to fit broader markets while drawing upon our vast experiences to consistently stay at the forefront.

"Universal offers the full spectrum of professional- technical services; from foundation test borings to support engineering to quality assurance to environmental sampling to construction materials testing/ inspection to energy code compliance."

Universals' team of experts and vast array of equipment, can successfully execute services to our clients' unique needs ranging from small service needs to multi-billion dollar programs. Universal serves government, public and private clients in a multitude of sectors.

CONCRETE & MASONRY

- Development of QC Programs & Specifications
- QA Monitoring of QC company
- Comprehensive Field Inspections
- Failure Investigation
- Placement Inspection
- Mix-Design Verification/ Review
- Materials Verification
- Comprehensive Masonry Inspections
- Batch Plant Inspection
- Truck Delivery Inspection
- Core Drilling
- Rebar Scanning- GPR method
- Crack Monitoring
- Floor Flatness & Levelness Survey
- Accelerated Aging & Maturity Monitoring
- Nondestructive Testing- Windsor Probes | Pin
- Flexural Strength Testing
- Block/ Brick Testing
- Moisture Testing of Slabs
- Rebar Inspections
- Freeze Thaw Testing
- Mobile Mixer Calibrations
- Petrographic Analysis Management
- Prism Testing and Inspection

SOILS & AGGREGATES

- Subsurface Drilling
- Foundation Test Borings
- Environmental Drilling & Well Installations
- Geotechnical Foundation Recommendations
- Compaction Testing
- Backfill Supervision
- Field Sampling & Source Verification
- Truck Delivery Inspections (import | export)
- Density Testing
- Gradations | Sieve Analysis
- Stockpile Sampling
- Environmental Field Screening
- Classification & Visual Identification
- Geoprobe® Drilling & Sampling
- Roller Pattern Development
- Moisture Density Relationships
- Mixed- In-place Emulsion Design
- Soil Bearing Values | Capacity
- Grade Inspection
- Sub-Base Measurements
- Dynamic Cone Pentrometer (DCP)
- In-Place Pentrometer | Bearing
- California Bearing Ratio (CBR)

STRUCTURAL STEEL | BOLTING | WELDING & PIPING

- Fabrication Shop Inspection (Internationally)
- Welder Qualifications
- Development of Written Procedures
- Calibration of Impact Guns
- High Strength Bolt Testing

- Ultrasonic Testing of Welds
- Thickness Measurements- UT Method
- Visual Welding Inspection
- Magnetic Particle
- Coupon Cutting & Testing
- Pipe Inspection
- Steel Deck Inspection
- Corrosion Testing
- Hardness Testing
- Chemical Makeup
- Pull Testing
- Radiographic Testing & Inspections
- Tensile & Bend Strength Testing
- Dye Penetrate
- Steel Wall Thickness Measurements
- Bolted Connection Inspection
- Nondestructive Testing UT | MT | PT | RT

ASPHALT

- Development of QC Plans
- Mix-Design Development | Implementation Oversight
- Pavement Thickness Measurements
- Core Drilling
- Compaction Control and Density
- Roller Management
- Bulk Specific Gravity
- Plant Inspection on both QC or QA Levels
- AC Burn-Offs & Gradations
- SUPERPAVE Density Testing & Management
- Pavement Profiling and Smoothness- Ride Ability
- Roadway Condition Survey and Reporting

SPRAY-APPLIED FIREPROOFING

- Thickness Testing & Verification
- Pre Apply Inspection
- Pull-Test
- High Density Pull-Test
- Adhesion | Cohesion Testing

COATINGS

- Mil Thickness Analysis
- Application Inspection
- Source Verification
- Pre/ Post Inspection/ Testing

NONDESTRUCTIVE EXAMINATION & SPECIALTY SERVICES

- Dye Penetrant
- Magnetic Particle
- Ultrasonic Testing
- Phased Array Ultrasonic
- Radiographic Testing of Welds
- Ground Penetrating Radar
- In-Place Concrete Soundness
- Floor Flatness and Levelness
- Pavement Smoothness and Ride Ability Profiling
- In-Place Concrete Maturity Monitoring



CORPORATE HEADQUARTERS

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