

Statement of Qualification

**Geotechnical Engineering and
Construction Support Services**

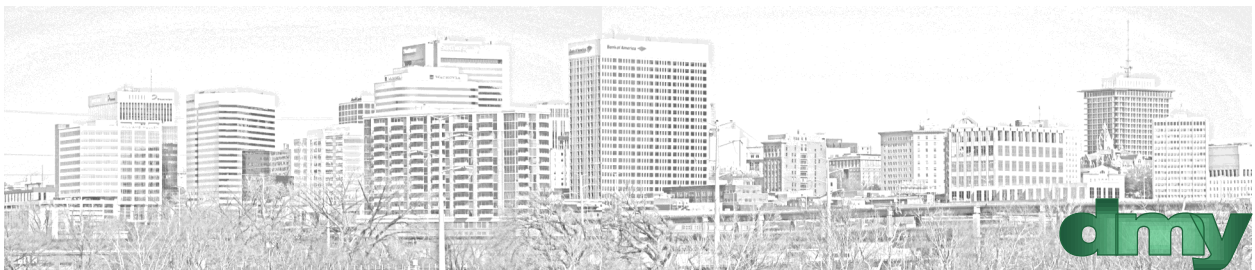


14241 Midlothian Tpke, Suite 230
Midlothian, VA 23113

www.dmy-inc.com
804-381-4800

Why DMY

- Exceptional Service
- Unsurpassed Quality
- Competitive Budget
- Key Personnel of Diversified Experiences
 - Certified DBE



GENERAL FIRM OVERVIEW

As one of our fields of expertise, **DMY** has a team of professional engineers who have held positions from Project Engineer to Senior Principal Engineer in leading engineering firms. Our professional engineers have at least a Master's degree in Civil Engineering and Geotechnical Engineering. As an aggressive and innovative firm with a traditional work ethic, we are quickly establishing a reputation as the local leader in delivering right solutions through innovative approaches, quality services, and engineering excellence.

DMY is a minority-owned business (DBE/SWaM/MBE) and is certified as a disadvantaged business enterprise with the following entities:

- Virginia Department of Transportation (DBE)
- Commonwealth of Virginia (SWaM/DBE)
- City of Richmond (MBE)
- Washington Metropolitan Area Transit Authority (WMATA)
- District of Columbia Department of Transportation (DDOT)

Focused on the public sectors, our services line includes:

- Transportation
- Water and Waste Water
- Energy
- General Building
- Solid Waste
- Manufacturing



www.dmy-inc.com

Please Contact:

John Z. Ding, P.E.
President/Chief Engineer

E-Mail: jding@dmy-inc.com

14241 Midlothian Tpke
Suite 230
Midlothian, VA 23114

Tel: (804) 381- 4800
Mobile: (804) 955 - 9589



SERVICES

DMY engineers are able to provide our clients with a variety of services and, at the same time, meet our clients' needs at crucial points of projects with respect to deliverable, budget, and schedule. Our services include:

Geotechnical Analysis and Study

Subsurface Investigation

- Site Reconnaissance
- Cone Penetration Testing (CPT)
- Standard Penetration Testing (SPT)
- Soil Auger Boring Sampling (Split-Spoon and Shelby Tube Samples)
- Dynamic Penetrometer Testing (DCP)
- Test Pit Observation and Documentation
- Groundwater Monitoring

Foundation Analysis and Design

- Spread Footing
- Mat Foundation
- Pile and Pile Groups
- Drilled Shaft/Caissons

Existing Pavement Evaluation and New Pavement design

- Pavement Condition Index (PCI)
- Structural Analysis
- Material Evaluations
- Rehabilitation Recommendation
- Asphalt and Concrete Pavement Design

Retaining Structure Design

- Gravity/Cantilever Retaining Wall
- Sheet-Pile Wall/Support of Excavation (SOE)
- Segmental Retaining Wall
- Mechanical Stabilized Earth (MSE) Wall

Ground Modification Techniques

- Lime /Cement Stabilization
- Light Weight Fills
- Dynamic Compaction



Construction Support Services

Soil and Foundation

- Fill Compaction Inspection
- Drilled Shaft Inspection
- Pile Driving Documentation
- Shallow Foundation Inspection
- Subgrade Inspection for Pavements and Slabs

Asphalt

- Asphalt Coring
- In-Place Density Testing (Nuclear Method)
- Batch Plant Testing and Inspection
- JMF Verification
- QC and QA Plant Testing

Concrete and Masonry

- Placement Inspections: Reinforcing Steel Placement, Slump, Air Content
- Batch Plant Inspection
- Floor Flatness/Levelness Testing
- Pre-cast Concrete Inspection
- Masonry and Grout Testing and Inspection

Structural Steel Inspection

- Material Verification
- Welded and Bolted Connections Inspection and Testing
- Frame Joint Details
- Magnetic Particle Testing
- Liquid Penetrate Testing



Special Engineering Inspection for Drilled Shafts

DMY provides drilled shaft inspection for construction quality assurance and quality control. Our services include following essential items for drilled shaft construction:

- Design Document Review
- Soil/Rock Excavation
- Slurry
- Bottom Cleanliness
- Rock Core
- Rebar Cage
- Concrete Placement
- CSL Logging Result Review
- O-Cell Test Review

Inspecting the bottom cleanliness of drilled shafts has always been challenging to contractors, engineers, and field inspectors, especially in the situation of the wet construction method, when direct visual inspections are impossible. Even with the dry construction method, inspectors have been reluctant to inspect the bottom visually due to safety concerns.

Currently, the Shaft Inspection Device (SID) or Miniature Shaft Inspection Device (Min-SID) are the only devices recognized as being relatively accurate to measure the drilled shaft bottom sediment without an inspector's direct measurement in the hole. SID and Mini-SID have been widely used for the important projects in the nation.

Ding Inspection Device (DID)

John Z. Ding, P.E. recently developed a device to measure the drilled shaft bottom sediment thickness without human access into the hole. As an economical alternative, DID can provide relatively accurate measurement when SID/Mini-SID is not available, especially, in the situation when correlations between SID/Mini-SID and DID have been made at the initial stages of the drilled shaft construction, DID can be considered as a reliable tool for the measurement of the bottom cleanliness.

This device has obtained a patent from the United State Patent and Trademark Office (USPTO Patent No. 8151658).



LICENSES & CERTIFICATES

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, June 14, 2010

This is to certify that the certificate of incorporation of

DMY Inc.

*was this day issued and admitted to record in this office and that
the said corporation is authorized to transact its business subject
to all Virginia laws applicable to the corporation and its business.
Effective date: June 14, 2010*



State Corporation Commission

Attest:

Joel H. Beck
Clerk of the Commission

CISLFD



LICENSES & CERTIFICATES



COMMONWEALTH of VIRGINIA

Robert F. McDonnell
Governor

Department of Minority Business Enterprise

Lisa Hicks-Thomas
Secretary of Administration

1111 East Main Street, Suite 300
Richmond, Virginia 23219

Ida Outlaw McPherson
Director

September 22, 2011

John Z. Ding
DMY Inc.
13454 Ridgemoor Lane
Midlothian, VA 23114

Certification Number: DBE 687645

Dear Mr. Ding:

The Virginia Department of Minority Business Enterprise (VDMBE) has approved your firm's request for continued participation in the Disadvantaged Business Enterprise (DBE) Program subject to the requirements of the DBE Regulation 49 CFR, Part 26 and all the laws of this state applicable to the transaction of business. **DMY Inc.** is eligible to participate in the DBE Program until **August 30, 2013** unless it is determined otherwise. However, prior to **August 30 of next year**, you will be required to submit updated information (Affidavit of No Change, Contact Information Update, business and personal federal tax returns for the last tax year—*signed and dated*—and a current Personal Financial Statement) to continue in the DBE Program.

We are pleased to inform you that we have certified your company in the following NAICS Code(s):

541330	Civil Engineering Services
541380	Testing Laboratories (Specifically Geotechnical and Soil Testing Laboratories or Services)

It is your responsibility to notify VDMBE immediately of any changes in your firm such as name, address, ownership, officers, or Board of Directors. Please check the accuracy of your internet entry in the DBE Directory at www.dmb.virginia.gov. Your firm's certification is subject to our review at any time during the year and you may be required to provide any and all relevant documentation. Failure to cooperate by providing the requested information may lead to de-certification.

You may receive management and technical assistance by writing to the Department of Minority Business Enterprise, 1111 East Main St., Suite 300, Richmond, VA 23219, or by calling (804) 786-5560. If you have questions, please contact **Rebecca Bates** at (804) 786-1717 or by email at rebecca.bates@dmb.virginia.gov.

Sincerely,

Calvin M. Thweatt, VCO
Certification & Technical Service Manager

(804) 786-5560 • Fax (804) 786-9736 • TDD (804) 371-8929 • VA Toll Free (800) 223-0671
www.DMBE.Virginia.gov



LICENSES & CERTIFICATES

METROPOLITAN WASHINGTON UNIFIED CERTIFICATION PROGRAM

WMATA ■ 600 FIFTH STREET, NW ■ WASHINGTON, D.C. 20001 ■ (202) 962-6493

DC DOT ■ 2000 FOURTEENTH STREET, NW, 5TH FLOOR ■ WASHINGTON, D.C. 20009 ■ (202) 671-2270



District Department of Transportation

February 17, 2011

Mr. John Ding
President
DMY, Inc.
13454 Ridgemoor Lane
Midlothian, VA 23114

RE: DBE Certification No. 1604-W
Re-Evaluation Date: February 17, 2014

Dear Mr. Ding:

Your firm's Application for Certification as a Disadvantaged Business Enterprise (DBE) with the **Metropolitan Washington Unified Certification Program (MWUCP)** has been approved. Your firm shall be subject to the requirements of the DBE program regulations, *Title 49, Code of Federal Regulations, Part 26, as amended* and all laws of this jurisdiction applicable to the transaction of business. Your firm is eligible to participate as a DBE on MWUCP's¹ federally-assisted transportation projects for business activity described under the following list of approved NAICS Codes.

NAICS 541330-Civil Engineering Services



Firms desiring information about DDOT procurement opportunities should go on line at <http://dbe.ddot.dc.gov>. To do business with WMATA, go on line at www.wmata.com or www.metroopensdoors.com to register as a vendor for bidding opportunities.



To remain certified as a DBE in the MWUCP, "No Change" affidavits must be submitted annually from the date of this certification letter. Additionally, a complete Application for DBE Re-Evaluation with supporting documentation must be submitted by the Re-Evaluation Date.

¹ MWUCP participants include the Metropolitan Washington Area Transit Authority (WMATA) and the District of Columbia Department of Transportation (DDOT).



LICENSES & CERTIFICATES

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA		
EXPIRES ON 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0405001794
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS PROFESSIONAL CORPORATION REGISTRATION		
PROFESSIONS: ENG		
DMY INC 14241 MIDLOTHIAN TNPK SUITE 230 MIDLOTHIAN, VA 23113		  Gordon N. Dixon, Director
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		
<small>(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)</small>		

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA		
EXPIRES ON 04-30-2014	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0402044684
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS PROFESSIONAL ENGINEER LICENSE		
JOHN Z DING 14618 LANDER ROAD MIDLOTHIAN, VA 23113		  Gordon N. Dixon, Director
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		
<small>(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)</small>		



OUR ENGINEER'S PROJECTS



Capital Beltway (DC Hot Lane) Drilled Shaft Design and Inspection, DC



Driven Pile Inspection, Metro Water-front Station Development, DC



Geotechnical Engineering
Woodrow Wilson Bridge, Telegraph Road
Section, Alexandria, VA



Geotechnical Engineering
Richmond Water Treatment Plant



OUR ENGINEER'S PROJECTS



Gilmerton Bridge, Chesapeake, VA

Micropile Installation QA, Richmond WWTP, VA



MSE Wall Design, Richmond International Airport Connector, VA

Inter-County Connector (ICC), Geotechnical Ground Improvement Design, Maryland

