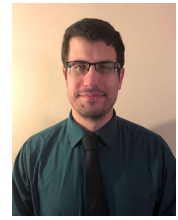




CODY L. COONRADT, E.I.
Staff Engineer



Professional Experience

Joined DBA 2018

Total years of experience: 7

Staff Engineer, McMahon & Mann Consulting Engineers, P.C. (2018)

Graduate Research/Teaching Assistant, Department of Civil Engineering, University at Buffalo (2017-2018)

Internship, McMahon & Mann Consulting Engineers, P.C. (2016-2018)

Construction Materials Testing Technician, CME Associates, Inc. (2015-2016)

Senior Engineering Technician, Dente Engineering, P.C. (2011-2014)

Education

M.S., Civil Engineering, University at Buffalo, 2018

B.S., Civil Engineering, University at Buffalo, 2017

Professional Licensure and Certifications

NYS Intern Engineer Certificate

Fields of Expertise

Design and construction of deep foundations

Ground improvement design, testing, and construction

Corrosion potential characterization test methods

Reinforced concrete special inspections

Laboratory and field testing of soil and construction materials

Use of deep foundation analysis programs: LPILE, GROUP, CSAD, and Settle3

Use of slope and wall analysis programs: Slide7.0 and Snail

Use of CPT analysis programs: CPeT-IT and CLiq

Use of AutoCAD to produce plans

Major Projects

Nashville International Airport (BNA) International Arrivals Facility – Nashville, TN (2019-present) – Peer review of construction process of approximately \$4 million of micropile foundations and micropile soldier pile retaining walls.

Topanga Center Expansion – Canoga Park, CA (2020) – Design of auger cast piles for multi-story retail store constructed at the location of a former Sears retail building.

US 231 Emergency Slide Repair – Morgan County, AL (2020) – Observing installation of rock-socketed drilled shaft foundations for a bridge to replace almost 1000 feet of roadway that was damaged during a landslide event.

University Plaza II – East Palo Alto, CA (2020) – Design of ground improvement supporting a seven-story structure mat slab and spread footings.

Google Caribbean Business Campuses – Sunnyvale, CA (2019-2020) – Design of drilled displacement pile foundations and ground improvement.

2000 Ocean – Hallandale Beach, FL (2019) – Design of support of excavation consisting of cantilever sheet piles for a 40-story condominium with below-grade parking.

Manhattan Village – Manhattan Beach, CA (2018-2019) – Design and plan production of auger cast piles for retail buildings and parking structure.

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Garden City Terminal Expansion at Port of Savannah – Garden City, GA (2019) – Design and construction observation of ground improvement system to support bridge abutment approach embankments. Work included creation, implementation, and interpretation of the modulus test program and review of field records for compliance with design basis.

Route 25 Lewallen Memorial Bridge Replacement – Clinton, TN (2019) – Observation of drilled shaft construction.

I-74 Mississippi River Bridge Shaft Repair – Davenport, IA (2018) – Drilled shaft hydro-blasting and grout repair observations.

Tonawanda Creek Road – Erie County, NY (2018) – Design of a deep mixed soil-cement column ground improvement system to control settlement, improve bearing capacity, and improve slope stability at a previous slope failure along Tonawanda Creek. Design included ground improvement, load transfer platform, mechanically stabilized wall, drainage outlet protection, erosion control measures, and construction and final grading plans.

Albright-Knox Art Gallery Expansion – Buffalo, NY (2018) – Develop and observe site investigation and lab testing program. Install and monitor vibrating wire piezometers.

North East Reservoir Cover – North East, PA (2018) – Geotechnical recommendations for construction of a cover over an existing water treatment plant reservoir including drilled shaft recommendations.

Ransom Creek – Erie County, NY (2017) – Analysis of load transfer platform over soil-cement columns using field instrumentation and finite element software.

NCHRP Project 21-11 Improved Test Methods and Practices for Characterizing Steel Corrosion Potential of Earthen Materials – (2016-2018) – Assist with the literature review, sampling, and data analysis for NCHRP Research Report 958.

Various Western NY Landfills – Western NY (2016-2018) – Landfill stormwater permit analysis and detention pond design, concrete design of pump house, survey control and cell expansion grading design, production of design drawings.

Professional Memberships

American Society of Civil Engineers (ASCE)

Geo-Institute (GI) of the ASCE

2016 Recipient of the Association of Bridge Construction and Design (ABCD) Western New York Chapter, Philip F. Frandina Memorial Scholarship