Jared E. Barket, P.E.

Consulting Engineer in Civil Engineering, specializing in Highway and Street Design, Maintenance and Protection of Traffic Design, Work Zones, Traffic Controls, Vehicle Accident Reconstruction, Walkway Surfaces, Pedestrian Safety, Building Code Compliance, ADA Compliance, Utilities Relocation Design, Pavement Design, Signing and Pavement Marking Design, Erosion and Sediment Pollution Control Design, Storm Drainage, and Stormwater Management and Compliance. Experience in Construction Management and Construction Health and Safety.

PROFESSIONAL ENGINEER: Pennsylvania, Delaware, New Jersey

EDUCATION: Bachelor of Science Degree in Civil Engineering, Widener University, 2010.
Master of Science Degree in Civil Engineering, Villanova University, 2019.

PROFESSIONAL BACKGROUND

2021-Present – Fleisher Forensics – Ambler, Pennsylvania:
Civil Engineer responsible for evaluating matters involving highway engineering including urban and rural roadways; pedestrian and vehicle safety; walkway surfaces; sidewalks and crosswalks; accident reconstruction involving passenger vehicles, motorcycles, and large trucks; work zone traffic control; signage; pavement markings; traffic controls; public utilities; and construction practices and safety. Consulting in matters involving premises liability including slip, trip and fall incidents, means of egress, walkways, stairways, ADA, codes, and standards compliance. Plan and project document review and site inspections.

2011-2021 – AECOM (formerly URS Corp) – Conshohocken, Pennsylvania:
Project Engineer responsible for providing highway design and construction engineering services. Project work included preparation of plans from preliminary through final design, and preparation of project specific reports and specifications. Design work included roadway line and grade design, intersection design, traffic control design, temporary and final pavement design, signage and pavement marking design, ADA ramp design and coordination, erosion and sediment control design, and storm drainage design for PennDOT and the Pennsylvania Turnpike Commission. Coordinated the relocation of public and private utilities including sanitary sewer, water mains, gas mains, electric ducts, telephone ducts, and aerial facilities. Served as construction management representative on behalf of the roadway designer during construction. Responsibilities included overseeing construction plan changes, attending construction status meetings, review and coordination of submittals and RFIs, and coordination with the contractor and construction management team. Created Health and Safety Plan for AECOM employees and reviewed Health and Safety Plans for AECOM subcontractors to be used in construction work zones. Attended work zone safety meetings prior to engaging in activities in construction work zones.

2010-2011 – TRC Engineers, Inc. – Mount Laurel, New Jersey:
Geotechnical Engineer responsible for engineering design, construction, and inspections for projects in Pennsylvania, New Jersey, and New York. Geotechnical engineering project work involved soil sampling and visual classification, boring/test pit and core boring logging, and laboratory testing of soil and rock in an ASTM/AASHTO accredited laboratory. Analyzed data and prepared design calculations and graphics for geotechnical reports, WEAP Analysis reports and Pile Dynamic Analysis reports. Construction inspection tasks included Pile Dynamic Analysis Testing for bearing capacity verification, concrete sampling and documentation, soil testing and documentation, and construction safety.

SELECTED PROFESSIONAL EXPERIENCE

SR 0001, Section DSB, *Springfield and Upper Darby, PA, PennDOT,* Responsible for civil engineering designs for bridge replacement on State Route 0001 in Delaware County, Pennsylvania.

SR 0095, Section GR8, *Girard Avenue Interchange, PennDOT*, Task Lead responsible for the design Maintenance and Protection of Traffic Plans for the project, which included the installation and replacement of over 30 Intelligent Transportation System devices and 400 CCTV cameras throughout southeast Pennsylvania.

SR 1026/1007, Section H04, *Philadelphia, PA, PennDOT*, Task Lead responsible for design of multi-stage Maintenance and Protection of Traffic Plans and pavement design of state and City roadways for roadway realignment, reconstruction, and new construction. Served as construction management representative on behalf of the designer.

SR 0202, Section 61S, *East Norriton, PA, PennDOT*, Task Lead responsible for the design and coordination of utility relocation and pavement design of state, county and local roadways for a section reconstruction and widening of SR 0202. Served as construction management representative on behalf of the designer.

SR 0073, Section 6SM, *Whitpain Township, PA, PennDOT*, Task Lead responsible for design of multi-stage Maintenance and Protection of Traffic Plans and pavement design of state and local roadways for intersection realignment.

SR 0095, Section GR4, *Girard Avenue Interchange, PennDOT*, Task Lead responsible for the design and coordination of utility relocation and reconstruction for a section reconstruction and widening of I-95 in Philadelphia.

SR 0095, Section GR3, *Girard Avenue Interchange, PennDOT*, Design Engineer responsible for the design of the Erosion and Sediment Pollution Control Plans for a section reconstruction and widening of I-95 in Philadelphia.

SR 0095, Section GR2, *Girard Avenue Interchange, PennDOT*, Design Engineer responsible for the design of the highway storm drainage system and stormwater management basins for a section reconstruction and widening of I-95 in Philadelphia.

CONTINUING EDUCATION

PennDOT Work Zone Training: From Planning to Operations, 2014
ACPA 2017 Concrete Pavement Bus Tour/Meeting, 2017
Traffic Crash Investigation 1, Northwestern University Center for Public Safety, 2022
Traffic Crash Investigation 2, Northwestern University Center for Public Safety, 2022
Vehicle Dynamics, Northwestern University Center for Public Safety, 2024
Traffic Crash Reconstruction 1, Northwestern University Center for Public Safety, 2024
How To Use The Bosch CDR Pro Tool Kit, The Crash Academy, 2022
How to Perform a CDR Direct-to-Module Download, The Crash Academy, 2022

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers, ASCE
American Society of Safety Professionals, ASSP
American Society for Testing and Materials, ASTM
National Society of Professional Engineers, NPSE
Pennsylvania Society of Professional Engineers, PSPE

CERTIFICATIONS

OSHA 40-Hour HAZWOPER Trained (2010-2011)
OSHA 30-Hour Construction Industry Outreach Training (2025)
Certified XL Tribometrist, Certificate Number 2408014