

JOCELYN E. CITY, P.E.

Staff Structural Engineer
jocelyn@pseglobal.com



November 6, 2018

PROFESSIONAL EXPERIENCE

Paragon Structural Engineering, LTD.

Senior Staff Structural Engineer (May 2016 – Present) Graduate Structural Engineer (June 2013 – May 2016)

As Staff Structural Engineer for Paragon Structural Engineering, LTD. (PSE), Ms. City leads a technical staff of graduate engineers, project managers, and field technicians in the structural design and forensic investigation of planned and existing structures. Ms. City's structural design services include analysis and engineering of large, custom single-family residences, low-rise commercial facilities, and ancillary structures (retaining walls and swimming pools) utilizing a variety of building materials including dimensional lumber, engineered wood products, rolled steel, CMU, and cast-in-place concrete. Ms. City's design projects include the following types of structural systems: conventional/post-tensioned slab-on-grade foundation systems, conventionally reinforced elevated foundation systems, pier-and-beam elevated foundation systems, wood and steel superstructures, masonry/concrete ground-supported or elevated retaining walls, and ground-supported or elevated pools. Ms. City also performs construction phase observations of the aforementioned structural systems to verify design compliance. Projects also include performing design of remedial work for the aforementioned types of structural systems. Ms. City has performed engineering designs for hundreds of residential and low-rise commercial structures.

Ms. City's structural forensic services include investigations concerning soil-structure interactions, performance of structural systems, evaluations of building envelopes, and determination of cause, origin, and extent of peril damage. Soil-structure interaction assessments include claims relating to design, construction, and historic/current site effects, and moisture source influences. Structural system assessments include claims relating to patent or latent design and construction issues. Building envelope assessments include claims relating to roof coverings, veneers, flashing, and weather resistive barriers. Peril assessments include claims relating to tornado damage, earthquakes, explosions, fire damage, and vehicle-structure collisions. Ms. City performs site investigations and devises protocols for site-specific investigative tests that may include relative elevation surveys, geotechnical borings, geophysical resistivity surveys, ground-penetrating radar surveys, groundwater monitoring, water chemical analysis, test pit excavations, material strength tests, and water application/infiltration tests. Her typical projects include single-family residences and multi-family apartment/condominium complexes, as well as retaining walls, screen walls, and swimming pools.

As a Graduate Structural Engineer for PSE, Ms. City performed structural design services. Ms. City's structural design services included analysis and design of large, custom residential and low-rise commercial structures utilizing a variety of building materials including dimensional lumber, engineered wood products, rolled steel, and cast-in-place concrete. She designed roofs, ceilings, floor systems, walls, beams, columns, lateral-force resisting systems, and associated connections. In addition to superstructures, she designed elevated foundation systems of either pier-and-beam or concrete slab as well as conventionally reinforced and post-tensioned slab-on-grade foundation systems. Ms. City also designed ancillary structures such as retaining walls and swimming pools. She designed retaining walls constructed of mortared stone and basement walls constructed of conventionally reinforced cast-in-place concrete. She designed swimming pools of conventionally reinforced concrete shells either supported on-grade or elevated on concrete piers. Ms. City also performed construction phase inspections to verify plan compliance. She conducted limited site investigations to provide consulting for issues such as foundation movement, wood frame failures, and proposed remodels/additions. While at PSE, Ms. City passed the NCEES Principles and Practice of Engineering exam and became a licensed Professional Engineer in the State of Texas.

Bufkin Engineering, Inc.

Graduate Structural Engineer (August 2011 – May 2013)

As a Graduate Structural Engineer for Bufkin Design and Engineering, Inc. (Bufkin), Ms. City performed structural design services. Ms. City's structural design services included analysis and design of large, custom residential and low-rise commercial structures utilizing a variety of building materials including dimensional lumber, engineered wood products, and cast-in-place concrete. She designed roofs, ceilings, floor systems, walls, beams, columns, lateral-force resisting systems, and associated connections. In addition to superstructures, she designed elevated foundation systems of either conventional pier-and-beam or concrete slab as well as conventionally reinforced and post-tensioned slab-on-grade foundation systems. Ms. City also performed construction phase inspections to verify plan compliance. She conducted limited site investigations to provide consulting for proposed remodels/additions.

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PROFESSIONAL LICENSES

State of Texas	Professional Engineer #123272
State of Oklahoma	Professional Engineer #29396
NCEES National Registration	Professional Engineer #12-701-81

EDUCATION

The University of Texas (Austin, TX)

Bachelor of Science in Architectural (Structural) Engineering, 2011

PROFESSIONAL CERTIFICATIONS AND TRAINING

ATC-45: Safety Evaluation of Buildings after Windstorms and Floods, Applied Technology Council (ATC)
Building Envelope Trained (BET-1), Building Envelope Science Institute
Building Envelope Certified (BEC-2), Building Envelope Science Institute
Commercial Roofs Inspector, Haag
Ladder Safety (Single, Extension, Articulated, and Step), American Ladder Institute
Model Law Engineer, National Council of Examiners for Engineering and Surveying (NCEES)
Residential Roofs Inspector, Haag
Rope and Harness for Steep Roof Slopes, Safety Services Company
Wind Damage Inspector, Haag

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers
Building Envelope Science Institute
National Society of Professional Engineers
Texas Society of Professional Engineers

PROFESSIONAL PUBLICATIONS

Foundations on Expansive Soils: Design Considerations, Evaluation, and Remediation - HalfMoon Education, Inc.,
In Progress, Contributing Author
Structural Design for Wood Construction, HalfMoon Education, Inc. (2017), Contributing Author

PROFESSIONAL LECTURES, SEMINARS, PRESENTATIONS, AND TRAINING AS A PRESENTER

Uniting Architecture and Structural Engineering - Stocker Hoesterey Montenegro Architects - January 23, 2018 ^{AIA}
Forensic Analysis of Plumbing Leak Foundation Claims - February 15, 2017 ^{TDI}
Forensic Analysis of Plumbing Leak Foundation Claims - December 9, 2016 ^{TDI}
Forensic Analysis of Plumbing Leak Foundation Claims - October 25, 2016 ^{TDI}
Building a Better Foundation - Southgate Homes - June 1, 2016

Key

^{AIA} American Institute of Architects Continuing Education Approved Course

^{TDI} Texas Department of Insurance Continuing Education Approved Course

EXPERT WITNESS DESIGNATION

This curriculum vitae shall not be used for expert witness designation unless an authorized proposal has been executed with this firm.