

Roger I. Johnson, Jr., P.E.
11 Wismer Road
Schwenksville, PA 19473

Education: B.S. Civil Engineering, 1994, Widener University

Professional Certification:

Professional Engineer, Commonwealth of Pennsylvania, February 2000

Professional Engineer, State of New York, March 2002

Professional Engineer, State of New Jersey, June 2002

Professional Engineer, State of Delaware, August 2003

March 2007 – Present: Valore, LLC - Principal

Telecommunications-

Consultant:

Engineering consultant to Crown Castle, USA, on the structural upgrades of their tower portfolio in the North East Metro Region (Southeastern PA, Central PA & NJ). Responsibilities include review of structural analysis and upgrade design, bidding out design and construction management of the upgrade.

Structural Analysis:

Performed structural analysis of several towers for the installation of the New Jersey Turnpike Commission's communication system. Analysis included a study of the structural capacity of the tower, its ability to serve the operational requirements of the proposed equipment and an upgrade design when required.

Engineering Services:

Providing Engineering Services for the installation of telecommunications facilities throughout Southeastern Pennsylvania and New Jersey. Projects entail the preparation of Civil Engineering drawings, construction drawings, zoning support, including professional testimony, structural analysis/design, utility coordination and shop drawing review. Sites types include new tower builds on both public and private property as well as co-location on existing towers, Public Utility towers, roof tops and water tanks.

Current clients include:

Crown Castle, Inc.

Verizon Wireless

Train's Towers

Clearwire

Sprint/Nextel – Philadelphia

General Dynamics (GD)

Metro PCS – NY

Metro PCS – Philadelphia

T-Mobile – Northern New Jersey

T-Mobile – Philadelphia

Wireless Facilities Inc. (WFI)

Specialized Construction, Inc.

September 2001 – March 2007: Damiano Long of PA, LLC Consulting Engineers

Telecommunications-

Project Management:

Responsible for the design of sites from initial site visits thru construction administration. This includes preparation of drawings, zoning support, structural analysis/design, utility coordination and shop drawing review. Sites types include new tower builds as well as co-locations.

Served as Project Manager for the following contracts:

Sprint/Nextel Direct; Philadelphia Market – New Builds & Site Modifications
General Dynamics; Philadelphia Market - Sprint/Nextel – Site Modifications
Verizon Wireless; Philadelphia Market – New Builds
T-Mobile; North New Jersey – New Builds

Structural:

Performed structural analysis of monopoles, self-supported and guyed towers, for several manufacturers including Rohn, Valmont, PiRod, Fort Worth Tower and Thomas & Betts. Designed upgrades to both towers and monopoles, as well as foundations, for overloaded conditions and prepared construction drawings for the work.

Performed structural analysis of existing buildings for the purpose of installing roof top facilities. Designed steel frames for placement on roofs and prepared construction drawings for these facilities.

Served on a team with other engineering firms and disciplines for the expansion of two microwave facilities for Verizon Wireless. Served as project manager of the structural and civil portions of the project. Responsibilities include: inspection of existing facility, structural design of building expansion, coordination with local government for the purpose of obtaining required permits. Provided construction administration services during construction phases of the project.

March 1997-August 2001: URS Corporation

Telecommunications –

Served as project manager for contract with SSI Services for the structural analysis of Crown Castle towers throughout the Philadelphia market. Performed structural analysis and prepared reports on numerous monopoles, self-supported and guyed towers.

Served as design engineer for contracts with numerous clients performing structural analysis of various types of structures. Designed repairs to both the towers and foundations for overloaded conditions and prepared reports outlining structural capacity of the analyzed towers.

Bridge Inspection/Design-

Served as both team member and Project Manager for structural and safety inspections of numerous types of bridges comprised of both steel and concrete for the purpose of preparing

inventory reports, performing structural analyses and/or designing a rehabilitation plan. Structures ranged from single span, simply supported structures to multi span continuous structures to complex suspension bridges. Designs included complete rehabilitations, roadway widening and new structures.

April 1995 – March 1997: Pickering, Corts and Summerson

Bridge Engineer-

Performed structural load ratings on multiple types of bridges including multi-girder, girder/floorbeam/stringer steel and steel trusses. Also performed ratings on reinforced and pre-stressed concrete bridges. Analyzed structures using the PennDOT ratings programs.

Performed emergency bridge inspections throughout the state, for PennDOT, after the flood of 1996. Responsibilities included probing of substructure units in order to identify locations of existing or potential scour/undermining and/or structural damage. Prepared reports summarizing structural integrity of the units as well as identifying and quantifying repairs.