

# Harvey H. Stone, PE

Executive Vice President

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**Education:** BCE in 1964, Rensselaer Polytechnic Institute, Troy NY

**Registrations:** Professional Engineer: AR; CO; FL; GA; IL; MD; ME; MI; MN; MO; MT; NC; NH; NY; OK; PA; TN; TX; UT; VA; WI; IA; MA; NE; NV; OR; RI; SC; VT; WA; WY

**Years of Experience:** 50+      **Years with Firm:** 20+

**Affiliations & Memberships:** American Council of Engineering Companies (ACEC)  
AREMA

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## **Professional Experience:**

Harvey Stone graduated from Rensselaer Polytechnic Institute with a BCE degree in 1964 and began working for the US Army Corps of Engineers and then A. W. Cross, Inc., a contractor in 1966. Mr. Stone was then employed by Northwest Engineering, Inc. in 1968 and became President in 1980 until 1996. In 1996 he organized Stone Consulting & Design, Inc. to provide consulting services to the railroad industry, sold the firm to TranSystems in 2007 and re-purchased the firm in 2010.

In working for the US Army Corps of Engineers (COE), Mr. Stone worked in Permitting, Foundations and Construction Divisions.

After leaving the COE, Mr. Stone was employed by A.W. Cross, Inc., a general contractor. He was chief engineer for several construction projects at Lajes Air Force Base in the Azores, Portugal. These projects included installation of underground power lines, improvements to the HVAC system for the Air Force, and a building addition to the Naval Operations Center. He was then assigned to manage the construction of a gymnasium in Thule Greenland, where he completed the project and received approval from the US Army before returning to the US.

In 1968, Mr. Stone joined the firm of George Atkin Jr., PE in Pennsylvania, a civil/municipal engineering firm that was eventually incorporated under the name of Northwest Engineering, Inc. In that same year, Mr. Stone was able to acquire his Professional Surveyor license. He worked under the guidance of George Atkin, Jr. for several years, preparing property surveys, designing sewage treatment plants, municipal streets and bridges before testing for and obtaining his Professional Engineer license in 1971. In 1971, he became Vice President of Northwest Engineering and subsequently was involved in the design of a number of large sewage and water systems, highways, municipal streets, parks and bridges. He was one of the first people in Pennsylvania to receive a license as a Sewage Enforcement Officer. He was awarded license #0009 after taking and passing the required test.

In 1980, Mr. Stone became President of Northwest Engineering, Inc. As President of the company, Mr. Stone expanded the size of the company to more than 30 personnel. In 1996 when he left the firm, it was doing all types of engineering projects including industrial park



design, industrial building design, municipal sewers and water lines, sewage treatment facilities, water treatment facilities, water tanks, dams, stream relocations, city streets and sidewalks, municipal and state funded bridges, storm sewers and stormwater management as well as railroad design. Northwest also had a team of construction inspectors and railroad track inspectors that performed project inspections as well as providing interior sewer line televising.

In 1996, Mr. Stone formed Stone Consulting & Design, Inc., a consulting firm that specialized in railroad feasibility studies, inspection and design. At that time the firm continued to do municipal engineering, providing studies, design and construction inspection for a number of municipal projects that included industrial park design, sewer lines, water lines, bridges and stormwater management.

Over time, the firm and Mr. Stone focused more and more on railroad type work until the firm was doing as much as 90% railroad work compared to other types of projects. Some of the projects Mr. Stone has worked on since forming Stone Consulting & Design, Inc. (now Stone Consulting, Inc.) include:

- Streetcar design in Kenosha WI, Lowell MA, St. Louis MO, Tampa FL

- Rail yard and track inspection and design for Allegheny Valley Railroad, Pennsylvania

- Rail track design and inspection for Southwest Pennsylvania Railroad, Pennsylvania

- Rail Track and siding design for Camp Chase Railroad, Ohio

- Complete rehabilitation of railroads that had not been in service for many years including 149 miles of the Western New York and Pennsylvania Railroad (formerly Erie Lackawanna Railroad) and 79 miles of the Saratoga and North Creek Railroad.

- Industrial track design and track rehabilitation for more than 20 industrial sites throughout Pennsylvania, New York, Ohio, West Virginia and Wyoming including clients such as TMS International, The Ellwood Group, Erie Forge and Steel, WHEMCO and CONSOL Energy.

- Bridge inspections for railroads in Pennsylvania, New York, Ohio, West Virginia, Maryland, Virginia, Illinois, Texas, Arizona, California, Colorado, Mississippi, Tennessee, Florida, Oregon, New Mexico and Illinois.

- Railroad studies, bridge inspections and bridge repairs for West Virginia State Railroad Authority, Moorefield, WV.

Some of the railroads Stone has worked for include, but are not limited to: Adirondack Scenic Railroad, Allegheny and Eastern Railroad, Allegheny Valley Railroad, Arcade & Attica Railroad, Buffalo & Pittsburgh Railroad, Cuyahoga Valley Scenic Railroad, Durbin & Greenbrier Valley Railroad, East Broad Top Railroad, East Erie Commercial Railroad, Everett Railroad Company, Grand Canyon Railway, Lahaina Railroad, Lehigh Railway, Livonia Avon & Lakeville Railroad, Lorain Port Authority, Meridian Southern Railway, Morristown and Erie Railway, Mount Hood Railroad, Naugatuck Railroad, New York & Lake Erie Railroad, Norfolk Southern Railroad, Oil Creek & Titusville Railroad, Owego & Harford Railroad, Permian Basin Railways, RJ Corman Railroad, Rail America, Saratoga & North Creek Railway, Seminole Gulf Railway, South Dakota DOT Railroad Division, Sumpter Valley Railroad, Texas State Railroad, Texas-New Mexico Railroad, Virginia & Truckee Railroad, West Virginia Central Railroad, Western Maryland Scenic Railroad, Western New York & Pennsylvania Railroad and Wheeling & Lake Erie Railroad.

Coal Rate studies, submitted to the Surface Transportation Board, are another area where Mr. Stone has been significantly involved. He has provided the engineering, operations and



maintenance testimony for a number of Coal Rate Cases on behalf of the shippers who were trying to get shipping rates for coal reduced. Mr. Stone has been accepted as a railroad construction and maintenance expert by the Surface Transportation Board.

Insurance claims have also been a small part of Stone's business. In addition to claims involving railroad losses and railroad accidents, he has been asked to investigate structural and water damages to homes and other structures that resulted from storms, tornados, ice damage and other issues.

