

Harvey H. Stone, PE

Executive Vice President



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;
Land Surveyor: PA (Retired)

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

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

Professional Experience:

Harvey Stone began working for the US Army Corps of Engineers in 1964 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.

During Mr. Stone's many years of experience, he has successfully handled large projects involving industrial development and site design, sanitary sewers, sewage treatment, roads and streets construction, storm drainage, solid waste management, building construction, economic studies and feasibility reports, water lines and water treatment, foundations, bridges, etc.

Additionally, he has designed railroad and streetcar lines and bridges and has inspected numerous automobile and railroad bridges. He is frequently called upon to prepare preliminary engineering feasibility studies for industrial development and rail projects involving federal and state grants, many of which have been funded and constructed.

Mr. Stone has been an active member of the American Council of Engineering Companies (ACEC), and the American Railway Engineering and Maintenance of Way Association. His membership in the ACEC has enabled him to obtain invaluable exposure to the many changes in engineering technology over the years as well as continued awareness of the constantly changing rules, regulations and grant programs on all governmental levels. He is a past chairman of ACEC's Quality Committee on which he served for more than ten years and is currently on the Curriculum Committee.

Recent Expert Witness Assignments:

- 2014 – Crop Production Services v Tennken, Union City, TN derailment (Plaintiff)
- 2015 – UP v SFPP, L.P. - Western US pipeline dispute (Defendant)
- 2015 – Norfolk Southern v Tradewinds Towing – damages to bridge (Defendant)
- 2015 – Marquez v City of Memphis and MATA – Injury involving streetcar track (Defendant)
- 2016 – BNSF Insurance Company v Aspen et al – Insurance damage claim (Defendant)
- 2016 - Lord v City of Memphis and MATA – Injury involving streetcar track (Defendant)
- 2016 – Davis v City of Memphis and MATA – Injury involving streetcar track (Defendant)
- 2016 – Asarco v Union Pacific – Federal Lawsuit involving pollution of waterways (Plaintiff)
- 2017 – Beverly Hills Unified School District v LA Metropolitan Transit Authority & FTA – Route Selection (Plaintiff)



Project Experience:

Delmar Loop Trolley Project, St. Louis, MO

PM and track design for a \$43 million trolley system funded with a \$25 million FTA Grant for Delmar Blvd. trolley loop to run from University City on Delmar to the Missouri History Museum on DeBaliviere Blvd. Responsible for track and OCS design as well as cost control and Project Management. This was a fast track project for which design was completed in 10 months. Stone Consulting has just been selected along with the CH2MHill team to guide the project through the final requirements of FTA as well as administer the construction project.

Allegheny Valley Railroad, Pittsburgh, PA

Capital improvements grant for \$5.4 million project replacing worn jointed rail with Class 1 welded rail along 6 miles of AVRR Main; track rehabilitation of the 7-mile Brilliant Branch, Pittsburgh Branch and Main Line; Design of a Pittsburgh Strip District rail siding; preliminary design for an industrial park rail access spur; complete rebuild of the Indian Run Branch. Inspection of bridges in Verona, PA. Re-design of Glenwood Rail Yard including rail and deck replacement for a bridge, new sidings for car staging, and car storage. This is a \$5.4 million project that was completed in two phases.

Western New York & Pennsylvania Railroad, Falconer, New York

Provided the engineering design for \$9.3 million track rehabilitation program including tie and rail replacement, surfacing, geometry testing and 11 miles of CWR replacement. Rehabilitation of several concrete bridge structures as well as design of a replacement structure after a flood washed it away.

Main Street Bridge Rehabilitation, Jamestown, NY

Rehabilitation of a very deteriorated concrete railroad bridge for the City of Jamestown. Included inspection, preparation of plans and specifications, cost estimate and construction observation.

New York Mandated Annual FRA Railroad Bridge Inspections and Reports

Railroad Bridge inspections for New York & Ogdensburg Railroad, Arcade & Attica Railroad, Owego & Harford Railroad and Western New York & Pennsylvania Railroad.

Meridian Southern Railroad, Meridian, Mississippi

Three rounds of bridge inspections, 86 timber bridges and several concrete and steel truss structures were inspected. Stone has also provided load ratings and bridge repair and reinforcement design services.

Kenosha Harborfront Trolley, Kenosha, Wisconsin

Design of a \$2,800,000 trolley system for downtown trolley loop to run from the harbor front to the railroad station, including steel and concrete ties with new welded rail and overhead wire.

Greater Erie Industrial Development Corporation, Erie, Pennsylvania

Erie bio-diesel plant, rail yard, storage track, rail car loading facilities and unloading facilities, spill containment area and bridge rehabilitation. This was a \$3.4 million project.

SPEDDCORP Business Park, Berwick, Pennsylvania

Project Engineer for a new industrial park located on a Brownfield site. The project includes demolition and cleanup of over 200,000SF of structurally unsound buildings and the design of several new buildings, access roads and parking facilities.

United Refining Corporation, Warren, Pennsylvania

Design and construction observation for new Ethanol unload facility included track, unloading racks and spill containment. Design of oil unit train unloading facility in West Seneca, NY.

