

## **SUMMARY ON WHY I WISH TO SERVE AS A UESI GOVERNOR AND WHAT I WISH TO ACCOMPLISH**

Throughout my career, I have had the unbelievable opportunity to meet, collaborate, and participate in complex and critical discussions with leaders and visionaries in the Civil Engineering, Utility Engineering and Surveying industries, including many folks in ASCE, UESI, and URMD. Through my involvement in the UESI leadership conference, standards committees and subcommittees, I have been able to listen and participate in the goals and objectives, challenges, and struggles with experts whom I view as mentors and leaders in this industry. I was able to utilize that experience and knowledge at my company to lead and mentor to promote the industry by developing internal standard operating procedures.

Specifically, I was an active member on the CI/ASCE 38-22 Standard Guideline for Investigating and Documenting Existing Utilities, and the CI/ASCE 75-22 Standard Guideline for Recording and Exchanging Utility Infrastructure Data committees. Through my five years on those committees, I was able to collaborate with other experts and provide my experience and goals and offer technical writing that was included into these standards. There is a pride associated with participating on these committees and I have seen how collaborative effort creates a polished product, which we now encourage and promote.

This year, I have updated my resume to include 29 years of experience, and I am realizing that it is now my responsibility to continue the development and vision of my many mentors as a UESI Governor.

If I had the honor to serve as a UESI Governor, I would wish to accomplish:

- Membership and growth has to be a priority of any institute and is even more important for a newly formed institute such as UESI. That includes support of existing local chapters and growth and expansion of other chapters into new regions.
- Promote outreach to solicit more volunteers and younger membership as future leaders to continue to write Manuals of Practice, Standards, and assist in committees.
- Promote mentorship and leadership programs, as I have personally experienced the benefits and value, but also see an opportunity to grow a program.
- Promote, support, and solicit sponsorships of UESI's biggest opportunities to collaborate and meet in the industry including the UESI Pipelines Conference and the UESI Surveying and Geomatics conference.
- Continue to pursue the latest technologies and innovations in the UESI industry to enhance and improve the institute. Specifics include 3D modeling, AI, Lidar, etc.
- Collaborate and promote communication with other organizations including AASHTO, FHWA, AWWA, ASCE, ASHE, NULCA, etc.
- Continue to work on the Certification and Body of Knowledge programs for URMD.

**PAST VOLUNTEER ACTIVITIES TO UESI, ASCE COMMITTEES YOU HAVE SERVED ON, OR OTHER PROFESSIONAL ORGANIZATIONS YOU HAVE SERVED ON A VOLUNTEER BASIS**

- Utility Engineering & Surveying Institute New Jersey Chapter (Founded Chapter, Chair since 2019)
- UESI Utility Risk Management Division – Chair (2021-2022), Vice Chair (2019-2020), Member since 2018
- UESI SUE and Utility Investigation Committee - Vice Chair (2019-2023), Secretary (2017-2018) Member since 2016
- ASCE 38-22 Guideline for Investigating and Documenting Existing Utilities - Member
- ASCE 75-22 Guideline for Recording and Exchanging Utility Data - Member
- UESI White Paper and Webinar Co-Author – Effective Utility Records Research (2018)
- AASHTO Utility Mapping, GIS, and SUE Committee Council – Friend to Committee
- AASHTO ROW, Utilities, and Outdoor Advertising Subcommittee – Friend to Committee
- NCHRP Task 389 – Dig Law Revisions and an Assessment of Potential Impacts to State Transportation Departments – Member
- UESI UE Utility Investigation and Subsurface Utility Engineering Body of Knowledge Development Effort - Member



## ABOUT

Ken is an accomplished Professional Engineer with more than 29 years of experience in Subsurface Utility Engineering (SUE), engineering design, planning, and project management. As the Executive Vice

President of InfraMap Corp, Ken is a licensed Professional Engineer in twenty states and the District of Columbia and is responsible for directing and enforcing standard operating procedures for Subsurface Utility Engineering services nationally. He provides professional engineering guidance and judgment, performs quality assurance / quality control reviews, participates in technology evaluations, and oversees the development of standards and operating procedures, as well as trains staff in all aspects of SUE and ASCE 38 and 75. Ken participated on the CI/ASCE 38-22 *Standard Guideline for Investigating and Documenting Existing Utilities*, and the CI/ASCE 75-22 *Standard Guideline for Recording and Exchanging Utility Infrastructure Data* committees. He specializes in identifying and creating a project-specific SUE program respective of the scope, schedule, and budget, as well providing quality assurance of the Final Deliverable Report to identify clarifications, conflict resolutions, and recommendations. Ken is considered an expert in the Subsurface Utility Engineering industry and his resume and experience is an integral part of the success winning the below contracts. Ken prides himself on developing successful relationships with clients and goes above and beyond with communication, notification, and management.

## EXPERIENCE

**InfraMap Corp., Regional Director (2008 – 2015), Vice President North Region (2016 – 2019)**  
**Executive Vice President (2019 - current)**

### **New York State DOT Professional Subsurface Utility Engineering Services**

**(reselected 2009-2012, 2012-2014, 2014-2019, 2019-2022, 2022 – current):** Ken is the SUE Project Engineer and client manager responsible for all aspects of this contract. His duties include oversight of utility designating, locating and test holes, survey, gravity system and structure investigations, GIS, data management, and utility records research and review, as well as final QA/QC as Professional Engineer in responsible charge for these on-call contracts. Ken ensures projects meet ASCE 38-22 standards. Hundreds of projects have been completed with respective values of \$3 million and \$5 million.

**Indiana DOT On Call Subsurface Utility Engineering (2021 – 2023, reselected 2022 – 2025, reselected 2023 - 2026):** Ken is the SUE Project Engineer and client manager responsible for all aspects of this contract including utility designating, locating and test holes, survey, gravity system and structure investigations, data management, and utility records research and review, and final QA/QC as Professional Engineer in responsible charge. Ken also ensures projects meet ASCE 38-22 standards. Dozens of projects have been completed under these contracts. Respective contract values are \$750,000, \$1.5 million, and \$1.5 million.

## YEARS OF EXPERIENCE

29+ years, ASCE Grade PVIII

## EDUCATION

BS – Civil Engineering (1994),  
 University of Massachusetts at Amherst, MA

## PROFESSIONAL LICENSES

Prof. Engineer DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, MS, NH, NJ,  
 NY, NC, SC, PA, TN, TX, VT, VA  
 Professional Planner in New Jersey  
 Certified Municipal Engineer - New Jersey  
 Certified Utility Coordinator – Indiana

## PROFESSIONAL AFFILIATIONS

Utility Engineering & Surveying Institute NJ Chapter (Founding Chair since 2019)  
 UESI Utility Risk Management Division – Chair (2021-2022), Vice (2019-2020)  
 UESI SUE and Utility Investigation Committee (Vice Chair 2017-2023)  
 ASCE Guideline for Investigating and Documenting Existing Utilities - Member  
 ASCE Guideline for Recording and Exchanging Utility Data - Member  
 UESI White Paper and Webinar Co-Author – Effective Utility Records Research  
 AASHTO Utility Mapping, GIS, and SUE Committee Council - Friend  
 AASHTO ROW, Utilities, and Outdoor Advertising Subcommittee - Friend  
 NCHRP Task 389 – Dig Law Revisions and an Assessment of Potential Impacts  
 to State Transportation Departments – Member  
 ASHE North Central New Jersey – Member  
 New Jersey Society of Professional Engineers



**Vermont Agency of Transportation On Call Subsurface Utility Engineering (2017 – 2019, reselected 2022 – 2025, reselected 2022 - 2027):** Ken is the SUE Project Engineer and client manager responsible for all facets of this contract, including utility designating, locating and test holes, survey, gravity system and structure investigations, data management, and utility records research and review, as well as final QA/QC as Professional Engineer in responsible charge. Ken ensures projects meet ASCE 38-22 standards. Dozens of projects have been completed under these contracts, which hold contract values of \$750,000, \$500,000, and \$10 million, respectively.

**Delaware DOT Subsurface Utility and Design Services (2018-2022, reselected 2020 - current, reselected 2022 - current):** Ken is the SUE Project Engineer and client manager responsible for all contract aspects, including utility designating, test holes, survey, gravity system and structure investigation, and utility records research and review, as well as final QA/QC as Professional Engineer in responsible charge for these on-call contracts. Ken ensures projects meet ASCE 38-22 standards. Dozens of projects have been completed under these contracts with values of \$3 million, \$3 million, and \$5 million, respectively.

**United States Department of the Army, Underground Utility Locating Services at Aberdeen Proving Ground, Maryland, W56ZTN-18-D-0002 (2008 – 2023, reselected 2023 - current):** Ken is the SUE Project Engineer responsible for all aspects of this contract. InfraMap provides as-built data that is compiled from GPS or conventional field surveys which is then tied to the installations monument system using applicable sustainment requirements for Aberdeen Proving Ground's GIS and survey monumentation. Utility locations and descriptions are collected electronically and processed into CADD drawings automatically using computer software. All digital representations of underground utilities and surface structures associated with these utilities are geo-referenced onto base mapping, with InfraMap crews collecting attributes for utility features including aerial and underground communications, electric, and water. Specific detailed attribute data includes line types, material, and size, locating accuracy, and dates of collected information. The current contract value is \$2.5 million.

**District of Columbia Traffic Signal and Streetlight Utility Locating and Marking (2022 – current):** Ken is the client manager responsible for this one call contract. His responsibilities include management of ticket software and distribution to field staff for accurate, timely locations of one call tickets to mark out traffic control signalization and streetlight electric and communications. Ken also coordinated ticket management software (Utilisphere) and oversaw integration to Citiworks for this 5-year contract. The contract is valued at \$8.7 million.

**New Jersey Turnpike Authority OPS A3583 – On-Call SUE/GIS Services (2016–2018, extended to 2019) and OPS A3714 – On-Call SUE/GIS Services (reselected 2019 - 2022):** Ken is the SUE/GIS Project Engineer and client manager responsible for this on-call SUE contract which includes supervision of work plan development, management of field data collection and office data entry, utility attribute collection, verification of valid data entry and quality control, management and review of existing utility records, naming and organization, and thorough engineering review of the exported validated data to ArcMap 10.6 as an ESRI XML Workspace for integration into the Authority's eGIS system. He is responsible for records data review versus surveyed geometry to confirm all conflicting information is resolved before the final deliverable GDB is generated. He also manages the creation of utility records, photographs, and eGIS hyperlinks. Ken is a member of the NJTA eGIS Data Schema Team to update eGIS schema for all utilities including electric, water, gas, communications, fuel, sewer, stormwater, and lighting. He has provided utility network data for thirty projects including service areas, turnpike interchanges, parkway toll plazas, the PNC Arts Center, parkway stormwater, and utility crossing investigations. All data has been successfully integrated into the Authority eGIS under this contract, resulting in tens of thousands of utility attribute data geometry features. Both contracts are valued at \$2 million each.



**NJ Route 72 Bridge over Manahawkin Bay, Stafford, NJ (2016)** – Ken was the SUE Project Engineer and client manager of this project. The Route 72 Causeway in Ocean County, New Jersey connects Long Beach Island with the mainland, carrying traffic over the Intracoastal Waterway on the Manahawkin Bay Bridge and three trestle bridges. Inframap Corp. provided hundreds of thousands of feet of utility designating both underground and underwater into the Manahawkin Bay as required for this roadway and bridge improvement project. The purpose of the underwater mapping was to locate the existing horizontal utilities installed in the Manahawkin Bay to avoid potential conflicts with the proposed bridge pier footings and foundations. The underground and submerged utilities located included thousands of feet of utilities including telephone, cable, gas, water, electric and sanitary sewer. Inframap Corp. also performed over 180 air vacuum excavation test holes to locate the vertical elevation utilities at potential conflict locations with proposed improvements. Services overseen by Ken included utility locating in accordance with ASCE standards, survey services, and QA/QC, as well as local and state permit coordination, coordination with Coast Guard and supervision of all utility disciplines. The contract was valued at \$589,000.

**Installation of Hybrid Changeable Message Signs at Various Locations on the New Jersey Turnpike, OPS T3675, Contract No. T600.481A and T600.481B (2019)**: Ken was the SUE Project Engineer and client manager for this contract. The project included the use of surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities at 43 proposed HCMS locations, with a total of 75 foundations that required utility targeting. The SUE work was performed in accordance with ASCE standards for Quality Level B (QLB). In addition to the field services identified above, the project also included daily coordination with field crews, coordination and project updates for the client, coordination and receipt of approved highway occupancy permits for state, county, and local authorities. Ken maintained the project schedule, project manhour and direct expense budgets, prepared monthly invoicing and project descriptions. He also oversaw review all preliminary and final deliverables in accordance with QA/QC standards. This contract was valued at \$272,000.

**Somerset County, New Jersey Open-End Contract for Subsurface Utility Investigation (2 year contract 2012-2014, 2014-2016)**: Ken was the SUE Project Engineer and client manager for this contract. Inframap services included providing subsurface utility designating (QLB) and air vacuum excavation test holes (QLA) at utility conflict locations in accordance with ASCE standards. The value was \$466,900.

**New Jersey Turnpike Authority – OPS A3305 Guide Sign Improvements (2020)**: Ken was the SUE Project Engineer and client manager for this contract. Inframap provided subsurface utility engineering services including 400 feet of utility designating (QLB) at over 350 proposed VMS cantilever, overhead span or butterfly sign footings as proposed along the turnpike. His project duties included records research, supervision of utility investigation (QLB), field crew scheduling and coordination, in-field utility locating troubleshooting, coordination with subconsultants (including surveyors), weekly client budget project status updates, and QA/QC of all final deliverables. This contract was valued at \$306,100.

**NJ Route 18 East Brunswick Drainage and Pavement Rehabilitation, East Brunswick Township, Middlesex County, New Jersey (2014-2016)**: Ken was the SUE Project Engineer and client manager for this contract. NJDOT performed a pavement evaluation and service life analysis for Route 18 (MP 53.4 to MP 39.4 NB and MP 35.5 to MP 39.2 southbound). Improvements recommended included pavement mill and overlay as well as full block, sidewalk, curb and guiderail, intersection and signalization improvements, and drainage improvements. Inframap located thousands of feet of utilities including telephone, cable, gas, water, electric and sanitary sewer and excavated 120 air vacuum test holes to locate the vertical elevation utilities at potential conflict locations with proposed improvements. Services included utility locating in accordance with ASCE standards, survey services, QA/QC, local and state permit coordination, coordination with the client, and supervision of all utility disciplines. The contract value was \$281,900.





**KENNETH C. KERR, PE, PP, CME, M. ASCE**

[kkerr@inframap.net](mailto:kkerr@inframap.net)

M: 609 743-5237

D: 609-201-2090

**Route 280 / 21 Interchange and Bridge Improvements, Newark, NJ (2011-2013):** Ken was the SUE Project Engineer and client manager for this contract. InfraMap Corp provided 12,000 feet of utility designating and 29 air vacuum excavation test holes on various utilities, including telephone and electric duct banks and conduits, water mains, and gas mains. InfraMap also excavated 14 test holes to locate footings of overpass structures for preliminary engineering and provided construction support services as part of the construction phase. Services included utility locating in accordance with ASCE standards, survey services, and QA/QC. This contract was valued at \$214,500.

**Lafayette Street Reconstruction SR 9102, Section MGN, Norristown, Montgomery County (PennDOT D6) (2015-2016):** Ken was the SUE Project Engineer and client manager for this contract. SUE services provided were in support of improvements to Lafayette St. from Barbadoes St. to Ford St., with a total length of approx. 4,500 feet. Improvements include a full depth reconstruction of pavement and sidewalk including associated curbing, curb ramps, and stormwater inlet/piping system. Ken managed the horizontal utility locating, surveying, and preparation of an existing utilities file in MicroStation format. Ken also managed the excavation of 90 air vacuum test holes (QLA). The contract value was \$125,000.

**Scudder Falls Bridge Replacement, Bucks County, Pennsylvania and Mercer County, New Jersey (2015-2016):** Ken was the SUE Project Engineer and client manager for this contract. The project was undertaken to alleviate future traffic congestion, improve mobility, and upgrade safety throughout the 4.4-mile project area (bridge, interchanges, approach roadways), as well as to address unsafe weaving and merging/diverging patterns on a new twin-span bridge outfitted with acceleration and deceleration lanes. The project also sought to reconstruct /reconfigure interchanges to improve traffic flow and safety and to ensure critical access for community facilities and emergency services between NJ and PA. Shoulders (federally required) were also installed to make the bridge safer for drivers. In support of these improvements, InfraMap performed SUE services including 60 air vacuum excavation test holes at utility conflict locations in accordance with ASCE standards. This contract was valued at \$99,100.

**NJ Route 35 Emergency Reconstruction, MP 4.0 to MP 9.0, Townships of Brick, Toms River, Borough of Lavallette, Ocean County, New Jersey (2014-2015):** Ken was the SUE Project Engineer and client manager for this contract. Hurricane Superstorm Sandy, the largest Atlantic hurricane on record, hit New Jersey and New York on October 29, 2012. Damage to homes and businesses was catastrophic, and the storm also severely damaged roadway and bridge infrastructure (and, in some cases, washed the roadway away). As part of the recovery and rebuilding process, abandoned and damaged utilities including water, gas, electric, telephone, fiber optic, sanitary, cable, and gravity stormwater drainage improvements had to be redesigned in conjunction with the roadway design on an accelerated design schedule. InfraMap provided immediate, on-call utility support services to RBA Group for disaster relief, including utility company coordination, utility conflict identification, establishing utility conflict removal criteria, and support for utility conflict resolution. The preliminary design schedule of this contract was accelerated to January 7, 2013, less than ten weeks from when the storm hit, and our support services were critical to meeting that deadline. Our final product was a comprehensive Utility Conflict Plan showing utilities to be removed based on removal criteria and discussions with project designers and contractors, prepared in MicroStation format. Once the roadway and stormwater drainage and conveyance systems were preliminary designed, InfraMap provided over 240 air vacuum excavation test holes and thousands of feet of utility locating in accordance with ASCE standards. The contract was valued at \$116,300.