



**Jacob Porth**  
Survey Manager  
(2014– Present)



Jacob Porth serves as Dennis Corporation's Survey Division Manager. Previously, he served as Lead Survey Crew Chief. Mr. Porth has ten years of experience in all aspects of Land Surveying including but not limited to: Residential, Commercial, Industrial Staking, Boundaries, Topographical Surveys, SCDOT work, and Wetlands. Mr. Porth has experience with GPS, robotics, conventional total station, and various data collection/software.

Mr. Porth's experience with Dennis Corporation includes:

**Appleton Fire Station Driveway, Allendale, SC:** Mr. Porth served as survey crew chief on this project which included control/drawing setup, construction staking, slope/grade staking, and driveway layout staking.

**SCDOT Emergency Bridge Replacement, Various Counties in SC:** Dennis Corporation was retained to perform services for 3 emergency bridge replacements in Fairfield, Florence, and Newberry counties. Mr. Porth conducted construction staking, right-of-way marker preparation, and right-of-way preparation.

**I-20 Rehabilitation and Deck Replacement, Lee County, SC:** Mr. Porth served as survey crew chief on this project that included construction stakes, lines, and grades, right-of-way preparation, cross slope verification, and settlement plates.

**Clearwater Road, Aiken, SC:** Mr. Porth served as survey crew chief on this project that included construction staking, lines, and grades and right-of-way surveying.

**US Highway 1, Lexington County, SC:** Mr. Porth served as survey crew chief on this project for Lexington County. It included a right-of way survey where there were existing stakes and a proposed right-of-way.

**Atomic Road, Aiken County, SC:** Mr. Porth served as survey crew chief on this project in Aiken County that included construction staking, lines, and grades and right-of-way preparation.

**SCDOT Bridge Removal at Lynch River, Chesterfield and Lancaster Counties, SC:** For this project Mr. Porth served as survey crew chief. This project consisted of construction staking, lines, and grades, right-of-way plat preparation, cross-slope verification, and settlement plates.

**Nestle Bottling Plant Construction Survey Phase 1 & 2, McBee, SC:** Mr. Porth served as survey crew chief on this project which involved computations and layout of building pad, underground utilities and road and parking lots.

**Fort Jackson Additions, Columbia, SC:** Mr. Porth performed construction staking and site layout survey for additions to the Fort Jackson National Cemetery and the Fort Jackson Barracks. Interpreting construction plans and marking the location of the proposed structures, Porth

**Richland County Roads Survey, Richland County, SC:** Mr. Porth has surveyed 28 Richland County dirt Roads since the CTC road improvement project began. As lead surveyor he has experience coding information into data collectors and processing in AutoCAD. Being proficient as a surveyor and capable of drawing in AutoCAD saves time

**Equipment and Software:**

- Spectra Precision Ranger 300/500X Data Collector
- TDS Recon and TDS Ranger Data Collection
- Allegro Lite Data Collector
- SURVce 3.0 Carlson Software
- GPS: Trimble R8, R7, and 5800
- GPS: Topcon GR-3 and Topcon Hyper Lite Systems
- The South Carolina VRS Network
- Survey PRO Software
- Leica DNA03 Digital Level
- Trimble DiNi Digital Level
- Sokia Conventional and Digital Level
- Topcon GTS 600 Total Station
- Topcon GPT 9000 Robotic Total Station
- Nikon DTM 322 Total Station
- Leica Trcp 1203 Reflectorless Robotic Total Station
- Trimble S6 Robotic Total Station
- Trimble 5600 Robotic Total Station
- Trimble Data Collectors and Trimble Software

**Certifications:**

- Confined Space Entry trained and certified
- OSHA trained and certified

and allows the person who was on site to understand the drawings provided for engineering better.

**Township Auditorium Parking Lot Addition Survey, Columbia, SC:** Mr. Porth served as survey crew chief of topographic survey location of existing conditions for the design of proposed parking lot.

**Boeing, North Charleston, SC:** Mr. Porth worked on the surveying and construction of the assembly site for Boeing's commercial airplanes

division in North Charleston, SC. The site is estimated to cost one billion dollars. He worked towards surveying the two hundred and sixty five acre facility.

**Dreher Island State Park Topography & Tree Survey:** Mr. Porth served as survey crew chief of topographic and tree survey of existing conditions for the design of proposed lake front cabins.

**Calhoun Dirt Roads to Pave Project:** Mr. Porth served as crew chief of the location of approximately 6 miles (7 different roads) existing conditions, utilities, property corners for the design of roads to be paved.

**Gold Hill Road, Rock Hill, SC:** Serving as survey crew chief for this project, Mr. Porth was involved in computations and layout of erosion control, roadway improvements, new utilities, storm water, curb and gutter, and sidewalks. This project involved approximately 1.4 miles of road and intersection improvements. With the completion of this project, two dedicated left turn lanes were created in each direction and all intersections within the project area were widened.