

Bridge Engineer (Summit, NJ): Perform structural analysis and design calculations using structural analysis software such as SAP2000, OpenSEES, and MIDAS Civil, emphasizing finite element modeling. Develop comprehensive 3D models and construction drawings utilizing AutoCAD and/or Revit. Design steel and reinforced concrete structures in adherence to industry standards and governing codes, such as ASCE, AASHTO, and AISC. Apply statistical software (SPSS, R and MATLAB) for the analysis of structural data, including strain, stress, deformation, and vibration to evaluate the deteriorated structures. Conduct research-focused tasks, including experimental design and analysis to evaluate structural performance and resilience. MS in Structural/Civil Engineering +1 year research experience in structural analysis. Contact CHI Consulting Engineers: [info@chiengineers.com](mailto:info@chiengineers.com)