

## **R&D ENGINEER III, RAIL PRODUCTS**

L.B. Foster (Pittsburgh, PA) to be responsible for fulfilling design, engineering, & project management functions in new product development (NPD) projects in the Rail Products Group. Specific job duties include: designing & developing products for railroad industry under guidance of senior personnel; creating & maintaining documentation related to NPD projects; performing cost estimation, feasibility analysis, engineering calculations, & prototyping related to product development; coordinating NPD activities among suppliers, customers, & product management groups; creating 3D designs & design drawings of products; running structural engineering analysis with varying degrees of complexity by using hand calculations & finite element modeling, researching various materials, manufacturing processes, & design concepts for potential implementation in NPD projects; working with individuals from other functional areas like sales, procurement business development, etc., in various phases of product development & providing timely & frequent written & verbal reporting on NPD activities. Master's in Mechanical, Structural or Civil Engineering. Must hold ANSYS Workbench certification. Must know (through academic training or work experience) software programming & applications of the finite element method for solving 1, 2 & 3D elasticity problems; theoretical foundations; 2D & 3D CAD Modeling; & AutoCAD, SolidWorks, Creo, NX, & Inventor. Send resumes to [KProkopuk@lbfooster.com](mailto:KProkopuk@lbfooster.com).