**VIRTUAL DESIGN & CONSTRUCTION ENGINEER**

Whiting-Turner is looking for a self motivated, energetic, detailed oriented, tech savvy person to help support our current Virtual Design and Construction (VDC) processes and develop new VDC processes that promote integration of entire project teams.

**Job Summary:**
Guide project teams creation of a VDC implementation plan. Facilitate and support team member’s use of each others building information models (BIMs) per the VDC implementation plan. Be actively involved in updating and developing external/internal standards and workflows. Test new VDC software/technology and develop ways to make project teams more efficient.

**Job Responsibilities:**

Working with partners
- Develop a VDC implementation plan with entire project team.
- Provide assistance and help develop BIMs with design team and subcontractors.
- Provide model management for 3D coordination sessions [Gathering 3D models created by team members, modeling content not provided, integrating all models into one consolidated project model.]
- Present and help manage feedback from model based scheduling and budgeting exercises.
- Assist with Virtual mock-up exercises.
- Work with project team to develop and complete quality control checks on models.
- Work with project team to ensure all models are clean and usable by everyone.
- Manage changes and updates to models.

Working with Whiting-Turner personnel
- Create project models & other 3D content as required.
- Work with PMs to develop accurate, usable quantities from project models.
- Work with PMs to analyze and optimize schedules from project models.
- Work with Superintendents to create site logistics presentation models.
- Develop supplemental documents for use by superintendents & field crews.
- Test new software programs and make recommendations on use.
- Create renderings and animations from VDC processes and present.

**Skill Set:**

**Software**
- Excellent General Computing Skills
- Navisworks Manage
- Revit Architecture
- Google Sketchup
- Understand file sharing sites
- Exposure to one or more of the following software: Revit Structures, Revit MEP, Tekla, AutoCAD, AutoCAD MEP, CAD-Duct, CAD-Mech, Innovaya, QTO, Synchro,So-

**Other**
- Able to read drawings, specifications, building codes, and other technical data
- Excellent written and oral communication skills
- Self motivated, energetic, detailed oriented, and open minded
- Ability to work well with cross-discipline teams

**Education/Experience:**
- Bachelors degree (or equivalent) with preference given to Architectural, Civil Engineering, or Construction Management related degrees.
- Prefer 3+ years in building or design industry, but not necessary
- Experience with VDC/BIM
- LEED AP preferred, but not required

The Whiting-Turner Contracting Company is an Equal Opportunity Employer, including the disabled and veterans.