

Open Date: April 2, 2020

Close Date: April 16, 2020

We Are:

Fermilab is America's premier laboratory for particle physics and accelerator research, funded by the U.S. Department of Energy. We support discovery science experiments in Illinois and South Dakota and locations around the world, including Canada, mountaintops in Arizona and Chile, and the South Pole.

Fermilab's Long-Baseline Neutrino Facility (LBNF) seeks a Far Site Conventional Facilities (FSCF) **Project Manager in Lead, South Dakota**. LBNF is a large multi-faceted project that will construct a new neutrino beam on the Fermilab site, a detector that will measure the properties of the neutrino beam as it exits the Fermilab site, and very large detectors located more than 1000 km away and a mile underground at the Sanford Underground Research Facility (SURF) in Lead, South Dakota, to measure how the neutrino beam may have changed in flight through the earth. Fermilab has overall management responsibility for the project.

The FSCF Project Manager manages a team responsible for construction of the surface and underground conventional facilities at SURF to support the detectors to be built by an international collaboration. The responsibilities include coordination of design with South Dakota Science and Technology Authority (SDSTA) staff, overseeing the administration of the technical terms of the subcontracts, securing management, design, and construction staffing resources as required, identifying and managing FSCF risks, coordinating requirements of cryogenic infrastructure and detector equipment, and identifying critical issues to ensure their timely resolution.

You Will:

- Lead the FSCF project team, including the construction manager, design manager, project engineers, and construction coordinators.
- Lead planning with end user scientists and engineers from Detectors, Cryogenics Infrastructure, and FS Integration, including ES&H and interface with other project systems for compliance with user requirements.
- Oversee and coordinate requirements of cryogenic infrastructure and detector equipment with FSCF, interact regularly with appropriate managers and the project system engineers to assure requirements are incorporated into FSCF design and construction, and verify progress and resolve issues.
- Coordinate FSCF construction schedules with post-CF installation.
- Oversee FSCF managers' coordination of design and construction with Sanford Underground Research Facility (SURF) facility staff.
- Oversee execution of all subcontracts for the FSCF construction, including the Construction Manager/General Contractor (CM/GC) subcontract, A/E, and subcontracts with independent testing laboratories.
- Secure management, design, and construction staffing resources as required.
- Serve as Control Account Manager for FSCF PM WBS and support reporting for the FSCF Construction EVM reporting as required.
- Identify and manage FSCF risks.

- Coordinate with the Project ES&H Manager to assure ES&H objectives are met as delineated in the *LBNF/DUNE Integrated Safety Management Plan* and the *LBNF Construction Environment, Safety and Health Plan*.
- Coordinate with the Project QA Manager to assure successful implementation of the *LBNF/DUNE QA Plan*.
- Coordinate with the Procurement Manager to assure that project procurement objectives are met.
- Participate in project reviews and other project management activities as a key member of the project team, including monthly project reporting and senior-level project meetings.
- Provide line management leadership for the Fermilab FSCF team, reporting to the LBNF Project Manager/Division Head.

We Are Looking For:

- B.S. degree in Engineering, Construction, or related field from an ABET accredited institution
- Minimum 20 years' experience in the management of design and construction of large heavy/industrial projects, with specific examples of projects each valued at more than \$100M
- Working knowledge of Microsoft Word, Excel, and Power Point
- Excellent written and verbal communication skills as well as oral presentation skills
- Strong conflict management experience
- Supervisory experience
- Ability to work in high production environment (50+ hours/week, including nights and weekends are expected) and questioning environment
- Strong analytical skills to identify trends and establish proactive corrective actions
- Ability to lead in a team environment
- Ability to work independently
- Ability to work within a matrix organization
- Experience in leading multiple-organization project teams preferred
- Experience on projects following DOE 0413 preferred
- Working knowledge of earned value management systems preferred
- Registration as a Professional Engineer and/or Certification as a Project Management Professional preferred

Physical Activity and Work Conditions

HUMAN FACTORS: Mental concentration, Heights, Repetitive Motion, Sitting, Standing, Tight Work Schedule, Visually Demanding, Work Outdoors and Underground

Diverse people. Diverse jobs. Great science.

Fermilab is America's particle physics and accelerator laboratory.

Fermilab is an Equal Opportunity Employer. Minorities/Women/Disabled/Veterans are encouraged to apply.