

TECHNOLOGY & ENGINEERING DEVELOPMENT FACILITY PROJECT

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Mission Need: This project is needed to ensure TJNAF facilities can safely, efficiently, and reliably support production of advanced cryomodules with the quality required for future projects and sustain current high demand for numerous unique large scale particle detectors.

Project Scope:

- Renovation of the Test Lab Building – 96,000 SF building with high bay, fabrication and shop areas, laboratories and clean rooms, as well as offices needing renovated HVAC system, electrical systems, and plumbing systems in the building; upgrade stairways, walkways, guardrails, the fire alarm system, fire doors, fire walls, door hardware, and signage to bring the building up to current safety and accessibility standards. (90,000 SF being renovated)
- New construction – construct of 90,000 to 120,000 SF of additional technical space including a new TED building and Test Lab Addition.
- Demolition – removal of 7,000 to 10,000 SF of inadequate and obsolete work space in and next to the Test Lab building plus 2,000 to 12,000 SF of dilapidated trailers.

Key Milestones

Milestone	Date	
CD-0 Mission Need	Sep 2007	
CD-1 Approve Alt & Cost Range	Sep 2008	
Award AE Design Contract	Apr 2009	
DOE Approve CM/GC Solicitation	Jun 2009	
Award CM/GC Contract	Oct 2009	
CD-2 Approve Perf. Baseline	Nov 2009	
CD-3a Early Const. & Proc.	Mar 2010	
Award Early Procurements	Mar 2010	
Complete Design	May 2010	
CD-3b Approval Gen. Constr.	Aug 2010	
Beneficial Occupancy New Construction	Mar 2012	
Start Renovation	Sep 2011	
CD-4a Approval Operation (New)	Mar 2012	
Building Renovation Complete	Jul 2013	
CD-4b Approval Operation (Ren)	Oct 2013	

	FY 2009	FY 2010	FY 2011	FY 2012	Total
TEC Funding Baseline	\$3,700K	\$27,687K	\$28,419K	\$12,337K	\$72,143K