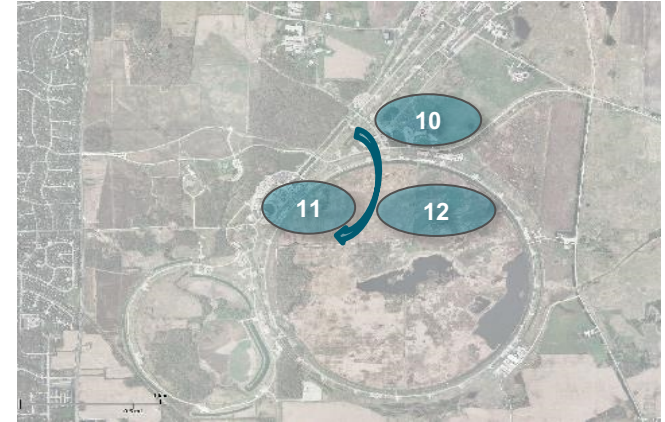


Fermilab Campus Infrastructure Investments

“Building for Science”

Infrastructure Investments – *Proposed* (pending funding)

- 10. IB-4 Retrofit and Cleanroom
- 11. Core Campus Parking – East
- 12. Master Substation Electrical Feed to Accelerator Campus
- 13. Utilities Improvement Project (sitewide)
- 14. Core Campus Revitalization Project (sitewide)



Fermilab Campus Infrastructure Investments - *Proposed*

IB-4 Retrofit & Cleanroom



Scientific
Facilities

Core Campus Parking

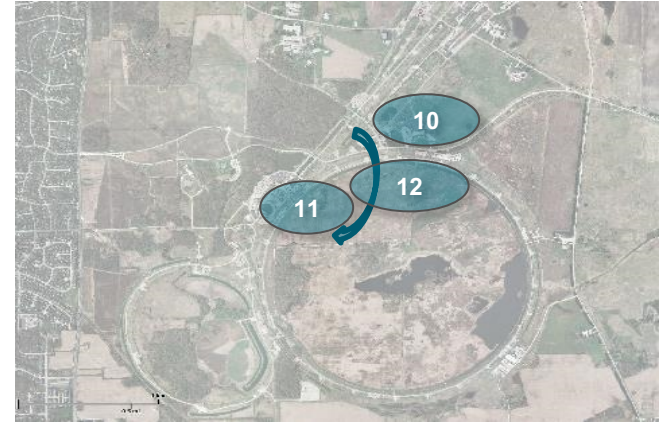


Site
Improvement

Master Substation Feed



Utility



- 10. IB-4 Retrofit and Cleanroom
- 11. Core Campus Parking – East
- 12. Master Substation Electrical Feed to Accelerator Campus

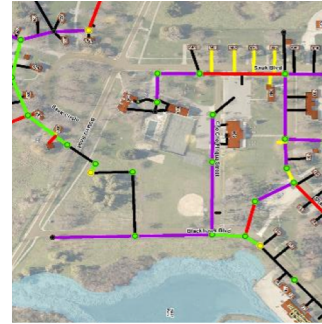
Fermilab Campus Infrastructure Investments - *Proposed*

Utilities Improvement Project

Replacement of Fermilab's utility infrastructure to provide a solid foundation for modern, world-class scientific research.

- Modernization of Fermilab's central utilities building
- Replacement of electric distribution, natural gas, industrial cooling water, domestic water, storm water, and sanitary systems using risk-based approach
- Development of utility corridors where feasible
- Redundant feeds to DOE mission critical scientific infrastructure

Utility System Assessments



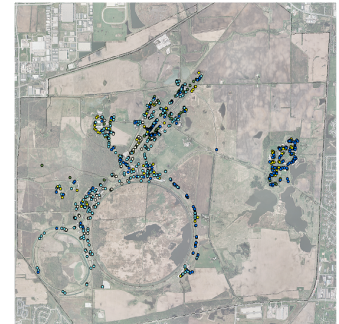
Central Utilities Building



Utility Field Networks



GIS Mapping of Utility Projects



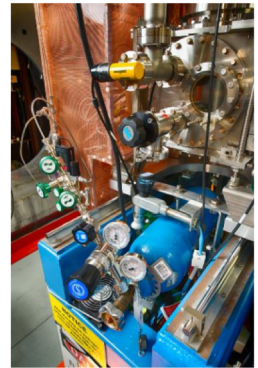
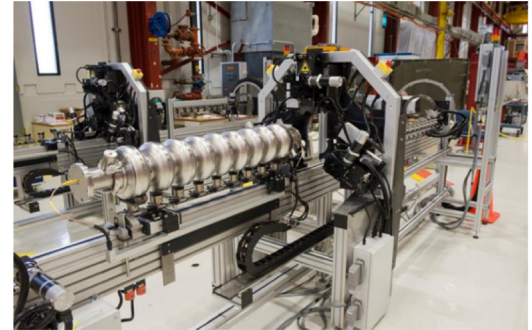
Fermilab Campus Infrastructure Investments - *Proposed*

Core Campus Revitalization Project- Accelerator Controls Modernization

Fermilab Accelerator Controls Modernization supports the future of Fermilab's accelerator capability by replacing critical accelerator support systems and controls-supporting infrastructure.

Key Points

- Replace Sitewide Accelerator Controls System Consistent with PIP II Controls Technology
- Modernize Radiofrequency Systems, Instrumentation, Power Supplies and Other Supporting Infrastructure



Fermilab Campus Infrastructure Investments - *Proposed*

Core Campus Revitalization Project- Wilson Hall Restoration

Wilson Hall is an iconic 45 year old DOE facility and home to 40% of Fermilab's staff. The facility, constructed using unique techniques, requires significant reinvestment to make relevant for another fifty years of science discovery and innovation.

Key Points

- Replace Utilities – HVAC, Water, Wastewater, Electric
- Mitigate Envelope Deficiencies – Windows, Concrete
- Improve Safety - Elevators, Fire Protection
- Modernize Floors
- Improve Campus Entrance/ Wilson Hall Approach



Fermilab Campus Infrastructure Investments - *Proposed*

Core Campus Revitalization Project-

Technology Campus Modernization

Fermilab Technology Campus Modernization supports the future of Fermilab's technological, computing, and detector development processes and production capability by developing and recapitalizing critical support infrastructure.

Key Points

- Develop Superconducting Quantum Technology Center
- Revitalize Existing Industrial, Detector and Computing Buildings
- Streamline Technology and Detector Research Development Processes
- Consolidate and Modernize Superconducting Technology Facilities

