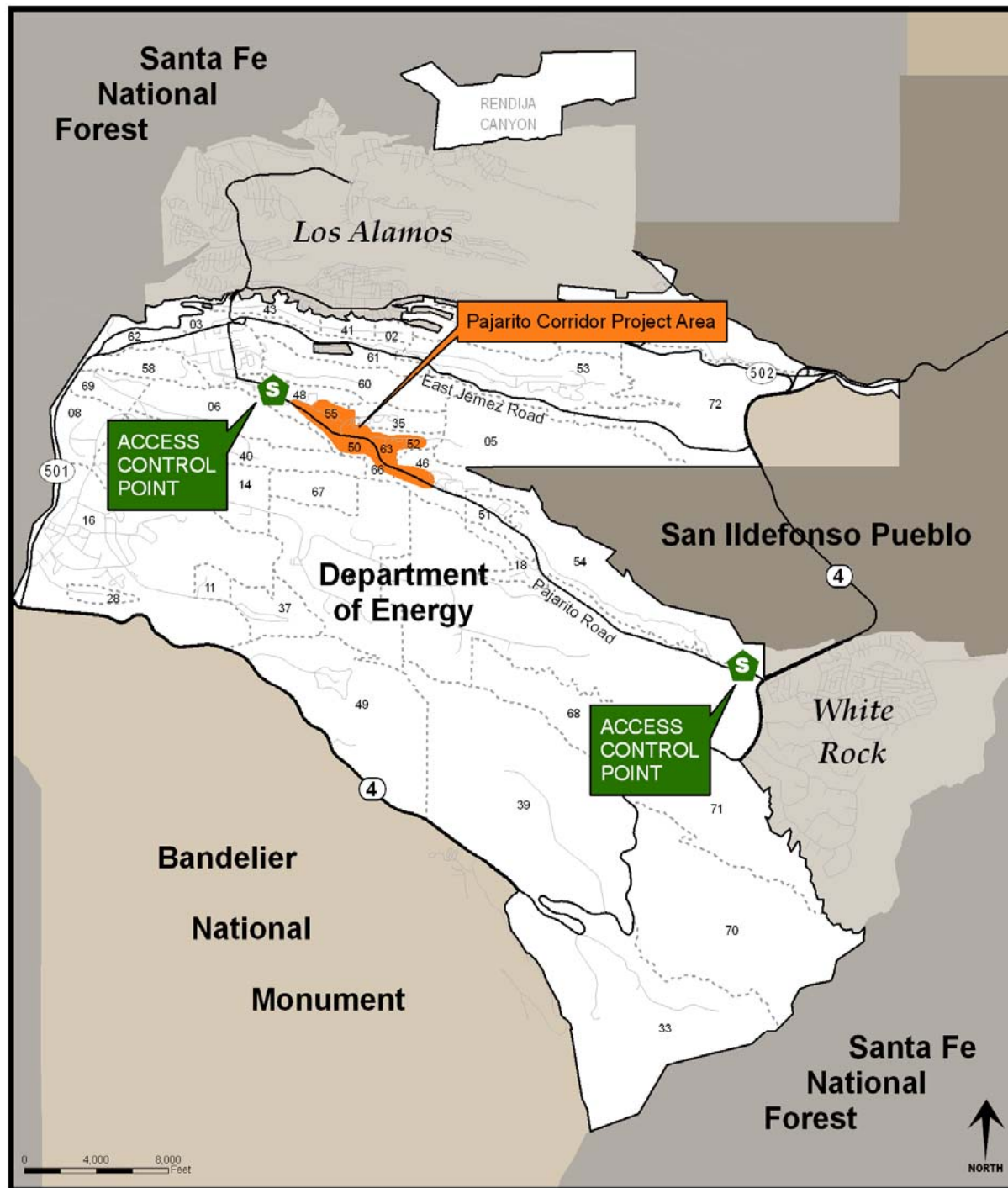


LANL Construction Corridor

**Tom McKinney, Associate Director
Project Management and Site Services Directorate
Los Alamos National Laboratory
September 8, 2010
LA-UR 10-05995**

Construction Forum June 16, 2010

- **Share LANL planning process for construction projects along the Pajarito Road Corridor for the next ten years**
- **Share constraints which can change LANL's planning**
 - Federal budget process
- **Share LANL's approach to management of construction projects**



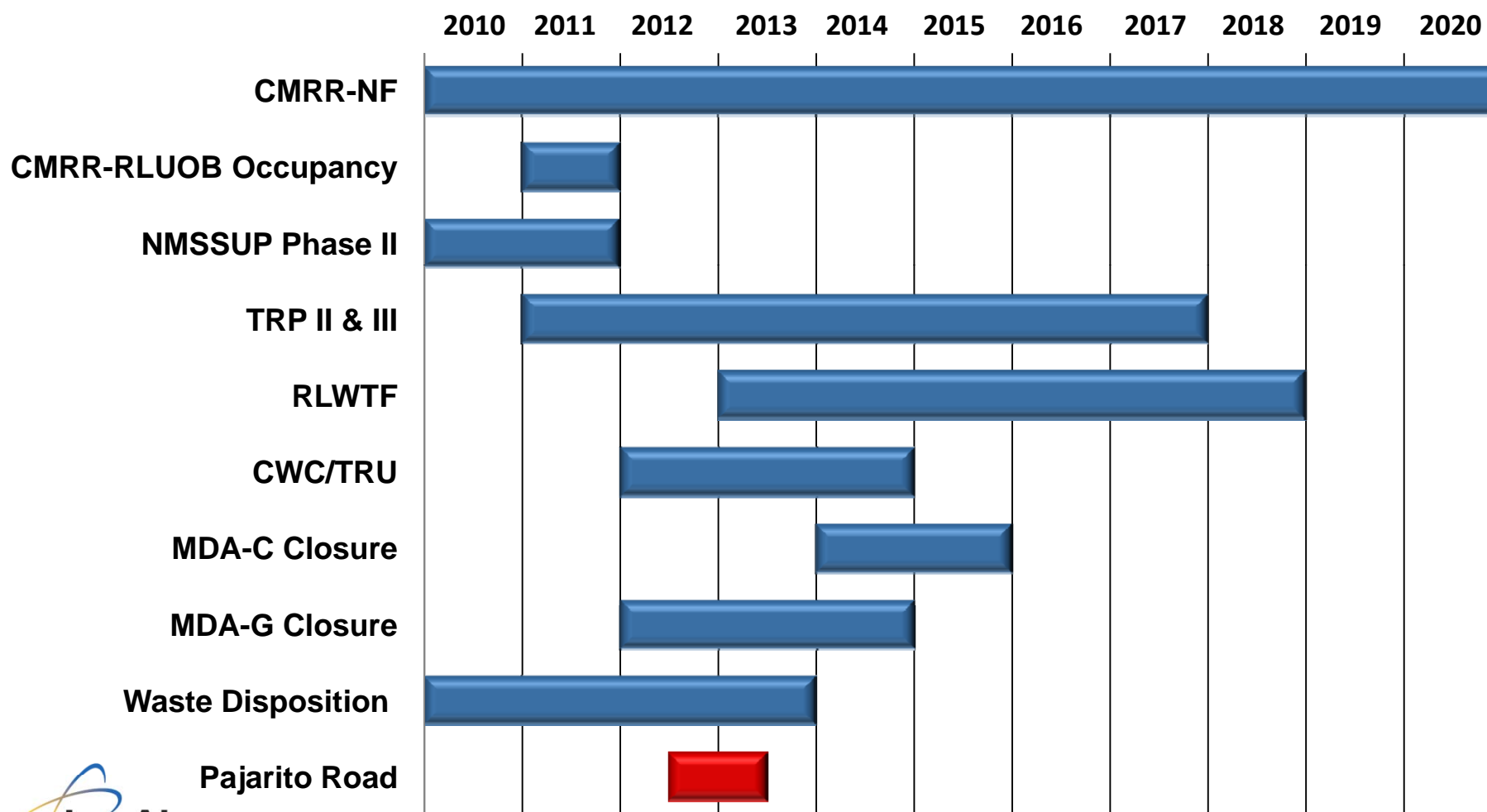
Major Projects - Near Concurrent Activities

- 1. Chemistry & Metallurgy Research Replacement (CMRR)**
 - Radioactive Laboratory/Utility/Office Building (RLUOB) Occupancy
 - RLUOB Equipment Installation (REI)
 - Nuclear Facility (NF)
- 2. Nuclear Materials Safeguards and Security Upgrade Project (NMSSUP) Phase II**
- 3. Transuranic Waste Facility (TRU)**
- 4. TA-55 Revitalization Project (TRP) Phase II & III**
- 5. Radioactive Liquid Waste Treatment Facility (RLWTF)**
- 6. Material Disposal Area - C Closure**
- 7. Material Disposal Area - G Closure**
- 8. Waste Disposition Project**



Pajarito Corridor Project Planning / 2010 - 2020

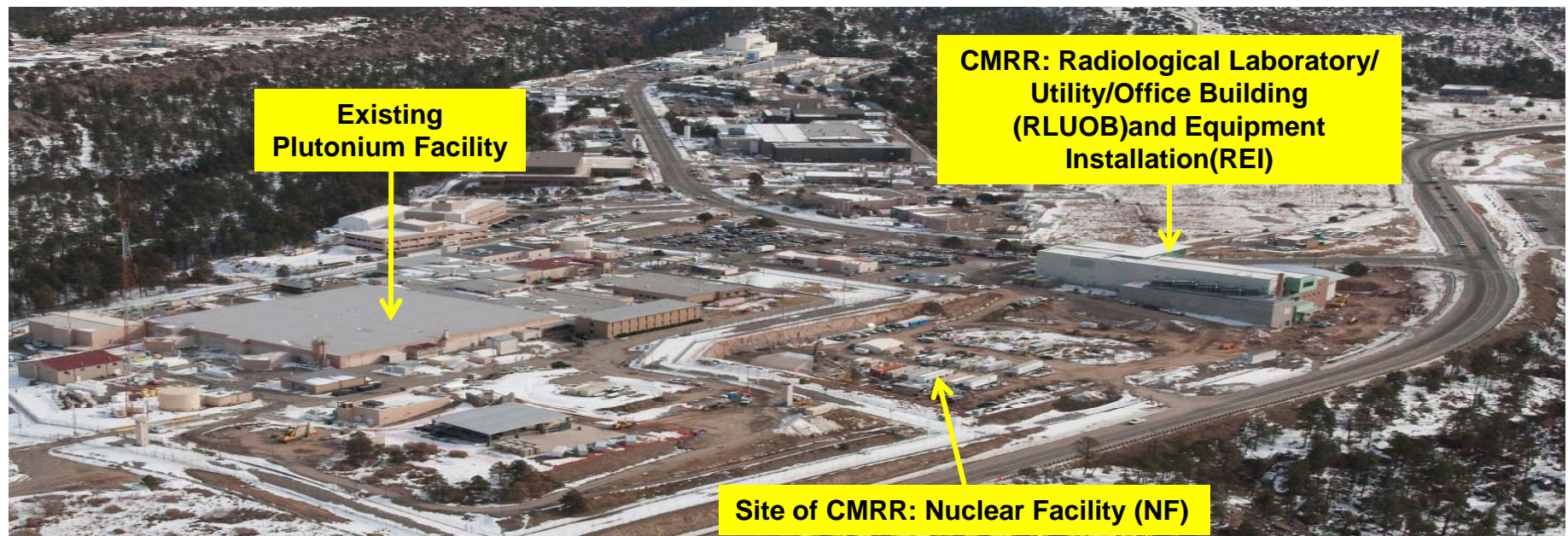
Timeline of Major Projects on Pajarito Corridor through 2020



Construction Manpower Projections

- During peak construction crafts will exceed 900
- Support services will be relatively constant over project at 150-200
- Engineering and design resources will be heaviest at the start of the project and will be mostly off site
- Startup and operations personnel will be relatively small as compared to other resources and will reach a maximum of about 100 at the end of construction

Chemistry and Metallurgy Research Replacement Project



CMRR - Nuclear Facility Construction Strategy

- Significant effort (design and construction) performed by subcontractors
- LANL CMRR Team integrator/manager of all activities
- Design deliverables include all products necessary to construct
- 35 separate construction packages planned for award
- Superior performance to be acknowledged and incentivized through entire construction period

Cultural Resources

- **LANL's commitment to protect cultural resources:**
 - LANL has a commitment to protect and preserve cultural resources. The Laboratory has been extensively surveyed and areas of cultural significance have been identified.

- **Cultural resources identified to date in CMRR project area:**
 - Native American ancestral areas – identified sites in approved areas for project use to date will be avoided. The SHPO has concurred with a “no effect through avoidance” determination.
 - McDougall Homestead – early 1900s era structures and artifacts – mitigated with concurrence with the State Historic Preservation Officer (SHPO)

Environmental Stewardship

- LANL takes its environmental stewardship seriously with numerous programs in place to protect the environment
- Environmental requirements are included subcontracting process
- Environmental Programs construction activities support closure of contaminated areas in compliance with the RCRA NM Consent Order
- Existing construction programs have been recognized for their excellence in environmentally conscious design
 - 2010 NNSA Best-in Class: Sustainable Design/Green Buildings-RLUOB
 - 2010 DOE EStar: Sustainable Design/Green Buildings-RLUOB
- Nuclear Facility will be Leadership in Energy and Environmental Design (LEED) certified
- Supplemental EIS discussion pending
- Los Alamos Study Group Law Suit in August 2010 (NEPA litigation)

On-going Studies

- **Utility planning**
- **Traffic studies**
- **Site selection for parking and truck inspection facilities**
- **Institutional impacts during construction**