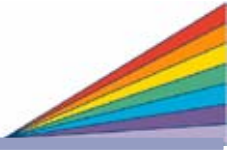


CNM Progress Overview

Rick Janik

October 21, 2004

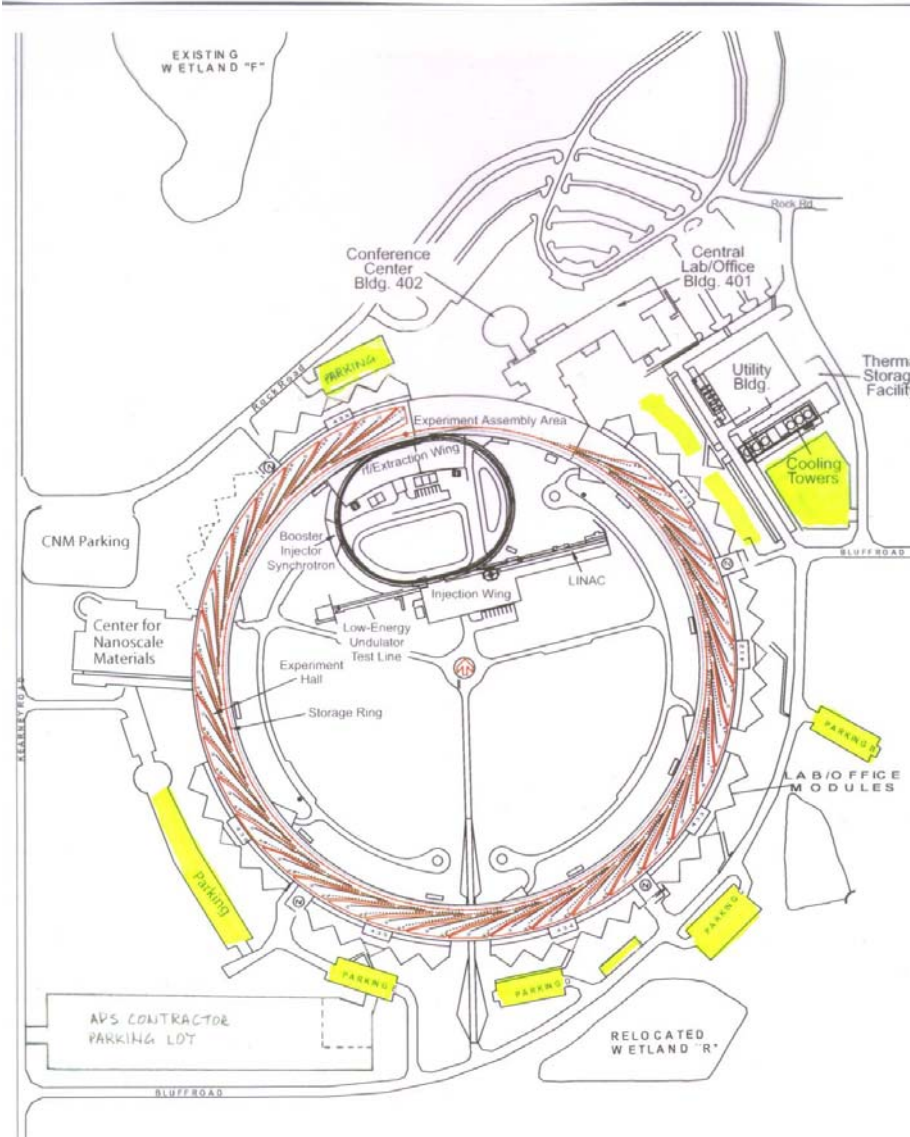


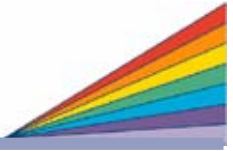
- **Create, Characterize, and Understand the Behavior of New Functional Materials on the Nanoscale**
- **A Two-story 85,000 sq. ft. Structure Attached to the West Side of the APS Experiment Hall**
- **Conventional Facilities Budget: \$36M Funded by the State of Illinois**
- **Schedule:**
 - Approve Final Design January, 2004
 - Start Construction July, 2004
 - Accept Building April, 2006

Conventional Facilities



vision





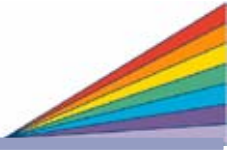
Project Progress Highlights –

- **Mobilization Completed**
 - Construction fence
 - Contractor trailers

- **Hot and Chilled Water Tie-ins Completed**

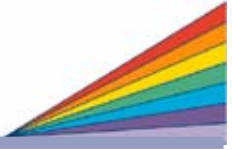
- **Building Caissons Completed**

- **Building and Site Excavation Work Underway**
 - Site clearing & grade beam excavation completed
 - Building pad cut & fill operations completed
 - Parking lot fill work continues



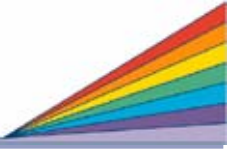
Project Progress Highlights (contd.)

- **Building Concrete Work Underway**
 - Form & pour grade beams, shear walls, & first floor columns
- **Parking Lot Storm Water Retention System Installed**
- **Initial Electrical Work Began**
 - Building grounding system
 - CNM main power supply conduit
- **Underground plumbing work began**



Project Progress Highlights (contd.)

- **Power Poles Along the east side of Kearney Road were relocated to the west side of Kearney Road**
- **Auger Boring Work Began and was Put on Hold**
 - Auger operation encountered clusters of rock while boring under the experiment hall floor which damaged the auger steering head and casing
 - CNM is currently analyzing its options
- **Underground Site Utilities Began**



Future Near Term Work –

- **Slab on Grade** **November, 2004**
- **Asphalt Park Lot** **November, 2004**
- **First Floor Concrete Slab** **January, 2005**
- **Concrete Roof Deck** **February, 2005**