CNM Progress Overview

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Conventional Facilities

- 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

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