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National Synchrotron Light Source II (NSLS-II) Project

CAC UPDATE

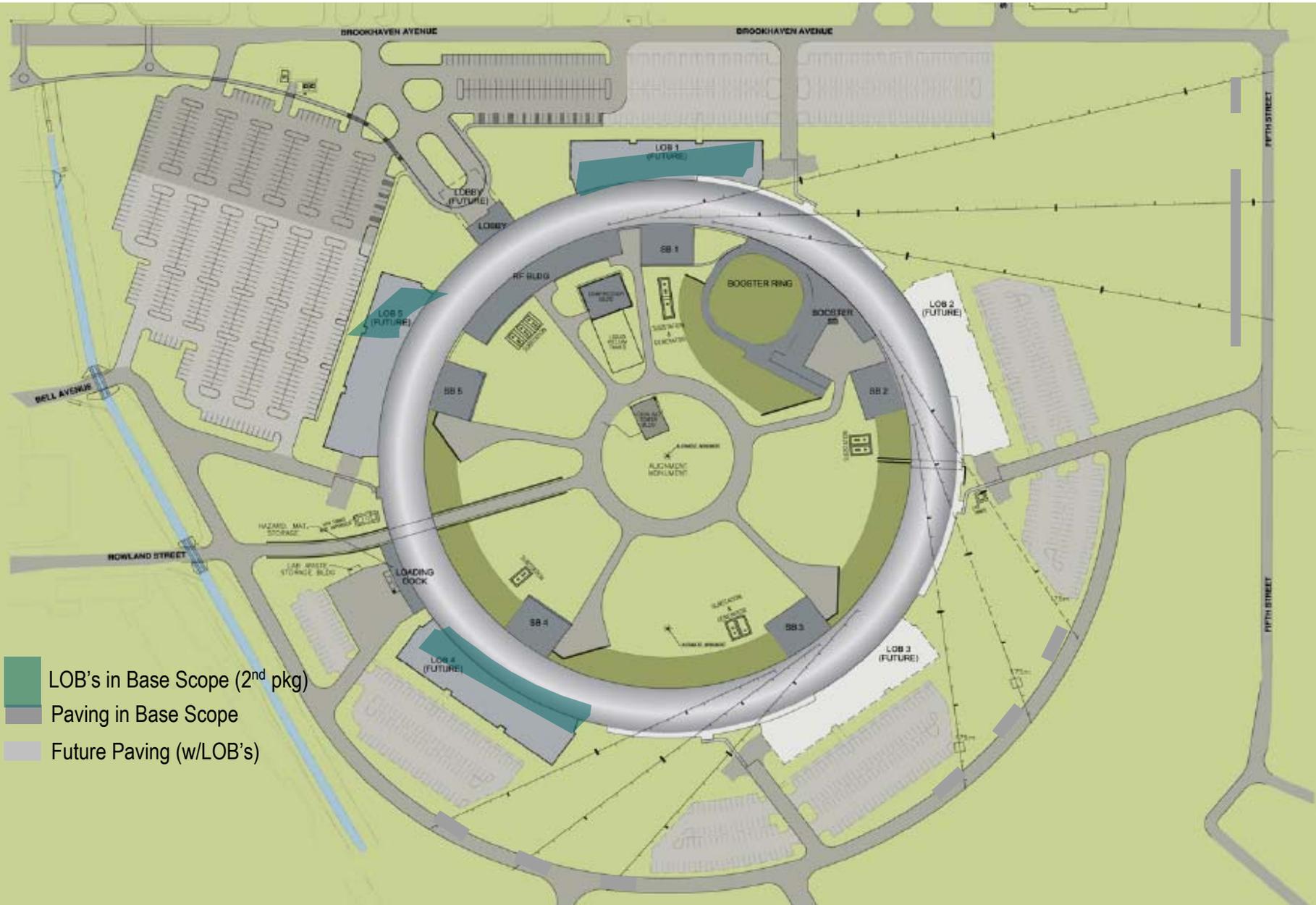
Frank Crescenzo
Federal Project Director
December 11, 2008



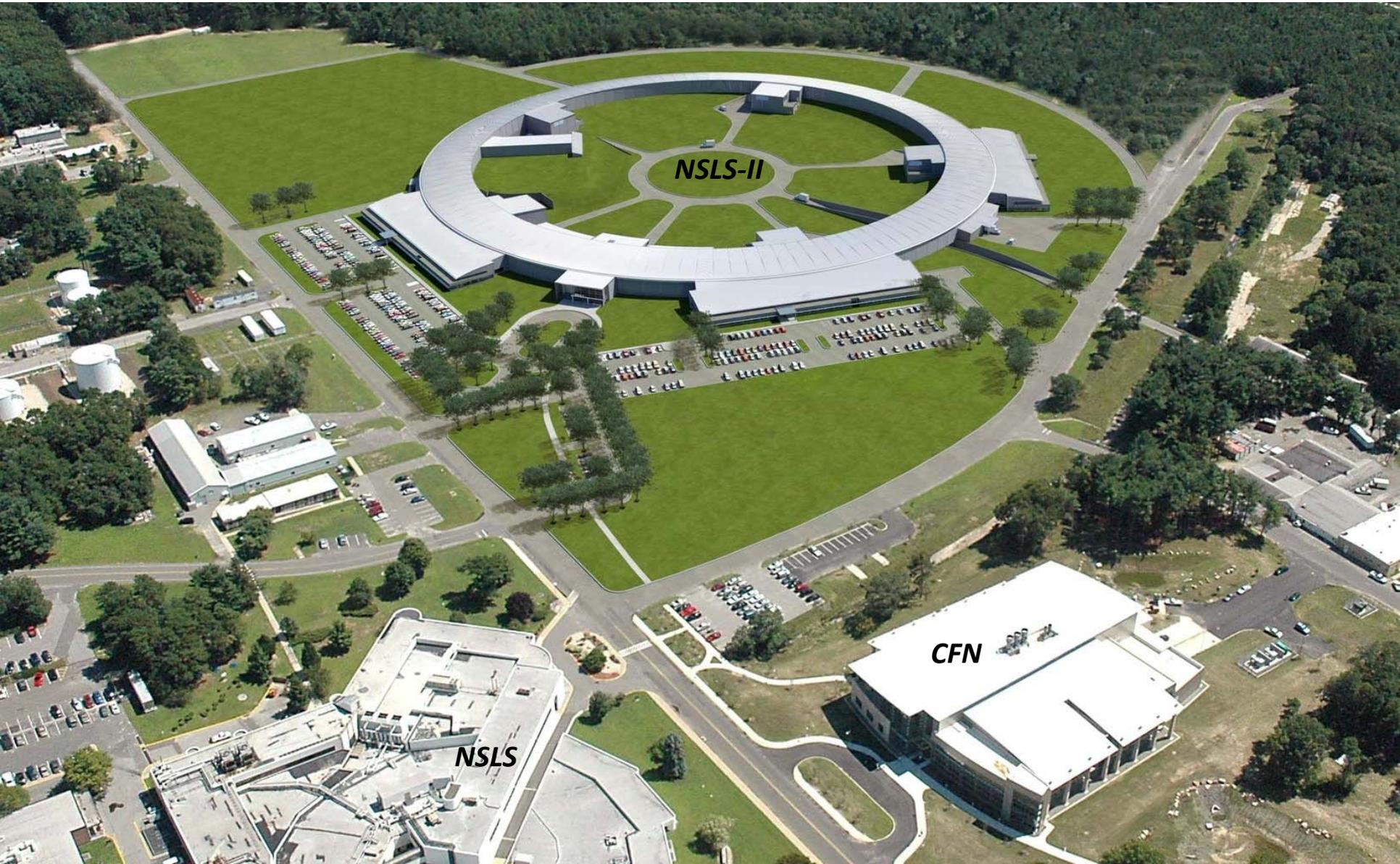
Background

- **Mission Need, approved August 25, 2005**
 - Advanced Synchrotron Light Source facility capable of:
 - 1 nanometer (nm) spatial resolution
 - 0.1 milli-electron volt (meV) energy resolution
 - Single atom sensitivity
- **Alternative Selection, approved July 12, 2007**
 - New facility located at Brookhaven National Laboratory using existing Management and Operating contractor (Brookhaven Science Associates)
- **Performance Baseline, approved January 18, 2008**
 - Total Project Cost \$912M
 - Project completed by June 2015
 - Largest capital project in DOE-SC portfolio

NSLS-II Siteplan



NSLS-II Rendering



View of Entry Lobby



Main Entrance







Project Status

- Designs are advanced enough to start construction
- Requested Deputy Secretary approval to start construction
- Early site preparation is underway
- Ring building contractor proposals under review
- Award contract and start construction on the building this spring
- Procure major components for the storage ring this summer