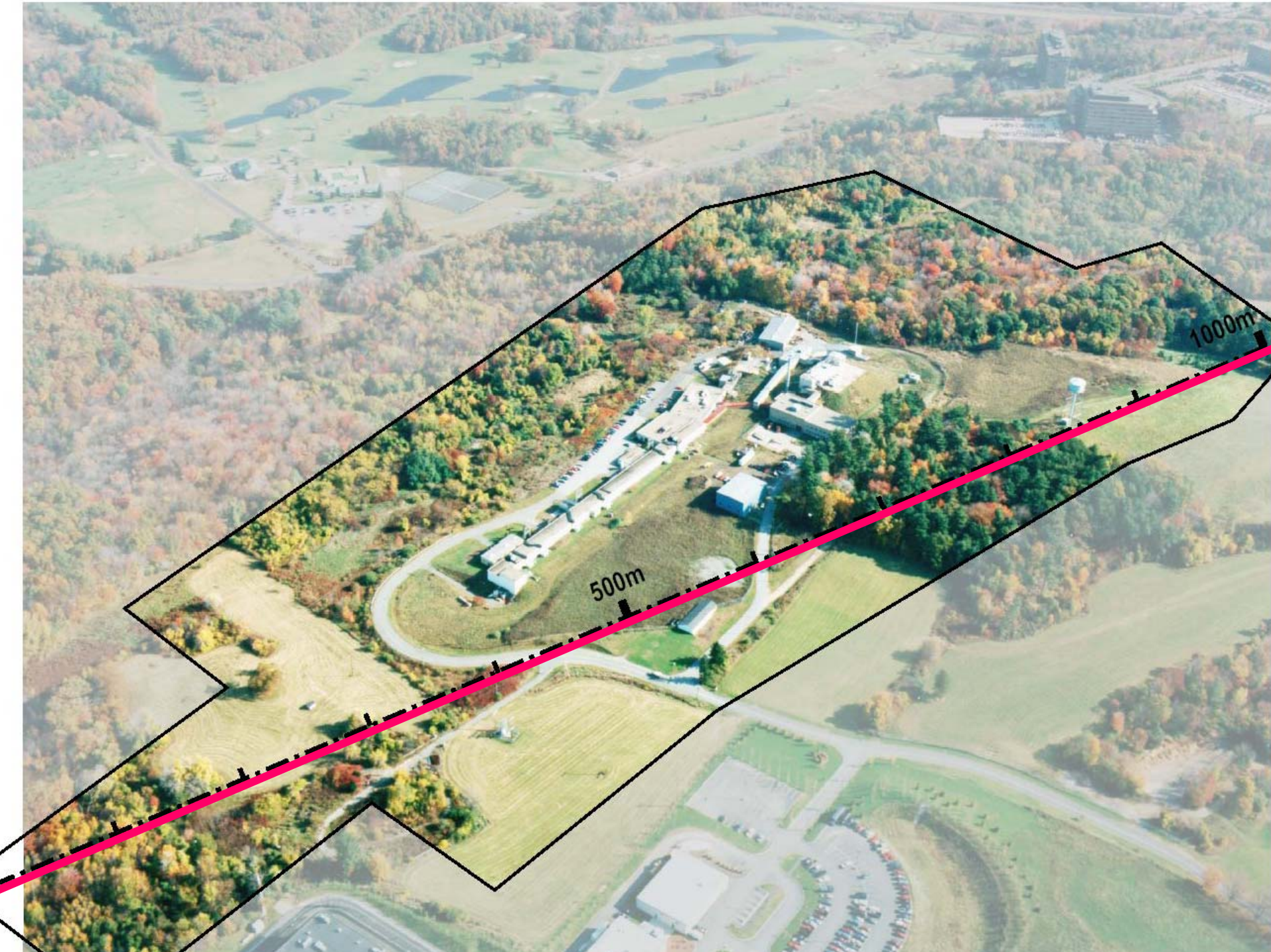
500m
1000m

Bates Linear Accelerator Center

- Staff

  DOE support 65 FTE

  MIT support 20 FTE

- Infrastructure

  Machine, vacuum, welding and electrical shops, High bay space, Offices for ~100 people, Conference rooms etc.

- Accelerator complex

  Polarized + thermionic injectors

  500 MeV pulsed linac + recirculator

  South Hall Ring

Future Plans

- DOE and MIT have agreed that NP user facility will be phased out after BLAST
- BLAST production taking anticipated to start in next several weeks
- Present understanding between DOE/NP and MIT/LNS is that full staff will be supported through FY05
- DOE/NP has been supportive of NP research at Bates after user facility is phased out
- DOE/NP has invited a proposal from MIT/LNS as to activities at Bates in FY06 and beyond by end of this calendar year

LNS Research Laboratory @ Bates

- Size and nature of staffing will be asymptotically determined by research of LNS faculty
- Propose FY06 level of ~35 FTE

  Research physicists 6
  Accelerator Physicists 6
  Mechanical Engineering 10
  Electrical Engineering 10
  Administration 2
  Computing 1

LNS Research which would use Bates

- Q_{weak} experiment at JLab
- eRHIC design
- GEM detector development
- CDF/LHC triggering
- Polarized He3 source development for RHIC
- STAR/RHIC-spin at BNL

Summary

- A proposal to DOE from LNS will be submitted by the end of this year as to activities at Bates in FY06 and beyond
- Strong effort from MIT in RHIC-spin under leadership of Bernd Surrow
- Bates participation in STAR upgrade program looks like opportunity fro both STAR and MIT
- Need to develop tentative plan in next 4-6 weeks