

The High School Project

Space Study

An assessment of Newton North and Newton South by the architectural firm of Strekalovsky & Hoit found both buildings structurally sound, but with aging mechanical and electrical systems and building envelope not acceptable for long term continued use. In addition classrooms were too few in number to accommodate expected enrollment, science facilities were outdated, the infrastructure to support modern technology was non-existent. Core facilities at South were too small to accommodate the expected number of students. South lacked teacher workspaces and both schools had inadequate meeting, conferencing, and socializing space for students and staff

Project Scope Summary

Newton North

Infrastructure improvements
Roof, windows, doors, masonry repairs/upgrades
Make handicap accessible - ADA
Meet seismic codes
Upgrade 30 year old plumbing
Sprinkler building – fire protection codes
Upgrade/overhaul HVAC – meet air quality code
Technology backbone/upgrade electrical
Asbestos abatement
Finishes –new floors/ceilings in most areas

Program improvements
Reconfigure chopped up rooms to normal CRs
Reconfigure/upgrade all science labs
Create academic support areas
Reconfigure/expand areas for House activities
New foyer/toilets at auditorium
Reclaim/reconfigure first floor CR space
Minor renovations in physical education area

Newton South

Infrastructure improvements
Roof, windows, doors, masonry repairs/upgrades
Upgrade/replace football bleachers
Make handicap accessible - ADA
Meet seismic codes
Upgrade 40 year old plumbing
Extend existing sprinkler system to rest of building
Upgrade HVAC – install AC where non-existent
Asbestos abatement
Technology backbone/upgrade electrical
New floors, ceiling tiles, paint

Program improvements
Construct 34 CRs, 4 science labs, 13 specialty CRs
Construct 4 station athletic facility
Expand library, cafeteria, toilet rooms, auditorium
New Guidance suite, principal's & records offices
New finishes in 1958 CRs, corridors, stairwells
Reconfigure existing phys ed space-dance, wrestling, etc
Reconfigure/expand areas for House activities

Project Cost in FY00 dollars

Newton North	\$30.1 million
Newton South	\$48.8 million
Total	\$78.9 million

Project Costs adjusted for inflation (seven-year design & construction schedule)

Newton North	\$39.1 million
Newton South	\$55.9 million
Total	\$95.0 million

Estimated interest on bonds – \$37.9 million
Expected state reimbursement to Newton - \$79.7 million
Final cost for Newton - \$53.2 million

Financing Plan – sell \$95 million in bonds

Keep debt service for all capital projects within traditional 3% of total operating costs for city
Use short term borrowings to fund project start-up until state reimbursement kicks in
Earmark state reimbursements to offset project debt service