



Construction Update

SEPTEMBER 2006

For frequent updates on all construction projects and to view construction as it happens from LIVE video webcams, visit <http://www.vvc.edu/offices/facilities>

Or, from the VVC Home Page, choose Home from the top left of the menu bar, then choose About VVC, then choose New Construction

Energy Efficiency Measures

Building a "Green" VVC



As many of you may have heard, VVC's Board of Trustees approved an agreement with **Chevron Energy Solutions** at the August board meeting. This agreement includes projects that will provide innovative and comprehensive solutions that will showcase Victor Valley College as a leader in energy efficiency and renewable energy technology in Southern California.

Building environments will be improved with the implementation of these energy conservation measures. More efficient and reliable boilers, chillers, lighting systems, and energy management systems not only reduce energy usage but will in turn improve the learning and working environment for the students, faculty, and staff.

When these projects are completed VVC will have reduced:

- 1,446 tons/year of Greenhouse Gas (CO₂) avoided
- 2,373 pounds/year of NO_x - Acid Rain avoided
- Equivalent to preserving 11 acres/year of forest from deforestation
- Equivalent to removing 284 cars/year off the highways

These projects include a complete upgrade of our **Central Plant**, a new energy management system, a new computerized irrigation system, heating and ventilation improvements in the Art, Gym, Performing Arts Center, and Counseling/Administration buildings. Mechanical upgrades and complete change-out of air distribution equipment, and lighting upgrades in virtually every building on campus are also included in the projects.

VVC will be receiving \$305,975 in incentive dollars from Southern California Edison through the Public Utilities Commission by installing this energy efficient equipment, which exceeds the Title 24 requirements based on actual reduction in energy consumption.

We hope to proceed into a second phase of projects in the near future that may include additional buildings being retrofitted to work off the Central Plant and possibly some wind turbine and photo voltaic (solar panels) projects.

The hydronic piping portion for the Central Plant will start as early as Monday September 18th. **Lighting retrofits will also begin in certain classrooms as soon as Monday** with the major portion to be completed over the Christmas break. Work will continue at the Central Plant into March of next year.

As these projects proceed, you will see **Chevron Energy Solutions** representatives and construction crews out and about the campus. Their "home base" is the construction trailer located in the parking lot behind the library.

The **Facilities Construction department** thanks you in advance for your patience during all of the ongoing construction projects and energy efficiency measures.

Please feel free to contact **Steve Garcia** with any questions or concerns you may have at extension 2250.

Update ~ Advanced Technology Building (ATB)



Much of the concrete basement walls and underground ventilation systems have been poured and successfully passed pressure testing. The basement portion of the building is progressing nicely and all the major underground utilities have been installed. Compaction tests have been completed so we can look forward to trenching and pouring concrete footings over the remainder of the month of September. Next it's on to building slab and block walls.

Update ~ Speech/Drama Addition (SDA)

80% of the underground water, storm, and sewer piping has been installed but not without some difficulties. As many of you have experienced first hand, we've had our share of problems with unidentified water lines under the new building foot print. We are past the worst of it and continuing on with over excavation and re-compaction work. The remodel work on the inside of the theater is also continuing with the upgrade of the existing restroom facilities and fire sprinkler system.



Update ~ Adaptive P.E. Center



The architect, Spencer/Hoskins, has met with the Facilities Construction department and the Adaptive P.E. committee and continues to focus on the working drawing phase of this project. We are finalizing dance flooring, ceiling heights, layouts, and equipment. The working drawings should be completed by December of this year and ready to submit to the Department of State Architects by January 2007. This would allow us to break ground on this project no later than July 2007.

Meet the Construction Team



Ken Koyama – Architect
Advanced Technology Building



Shoji Takeshima – Architect
Speech/Drama Addition



Bill McCarthy – Project Manager
Advanced Technology Building & Speech/Drama Addition



Dave Van Fleet – DSA Inspector
Advanced Technology Building & Speech/Drama Addition