



Recycling Key to Demolition and Construction Plans

6/26/2006 — *Ross School building project incorporates environmentally conscious measures.*

ANN ARBOR, Mich.—As the Stephen M. Ross School of Business builds a learning community of the future, a significant effort is being made to recycle materials from the demolition of the old facilities and to use recycled materials in construction of the new building.

Demolition of the Paton Accounting Center building, Assembly Hall and Davidson Hall began in May. The construction phase will begin in mid-to-late summer. The new Ross School building is expected to open in fall 2008.

There are three main components of the recycling effort: recycling demolition debris, using recycled materials in the construction of the new building and recycling debris from the construction itself.

Demolition

Project manager Mike Marengi reports that as of June 1, 84 percent of demolition debris had been recycled. These recyclable materials are structural steel beams and columns, steel concrete reinforcing, steel framing, metal piping, concrete and brick. More than 2,250 tons of materials have been recycled so far, including 1,903 tons of concrete and 349 tons of metal.

Recycling is handled by a demolition contracting firm that separates the debris and then distributes the materials to other companies. Metals will go to the Hog Brothers Recycling and concrete will go to the Onyx Co. Concrete will be crushed and reused as roadway base and steel will be melted and reused as structural steel.

Excavation equipment with special demolition attachments separates the materials on site. For example, a large electromagnet machine scans the debris to collect ferrous metal.

Construction

During the construction phase of the project, 50 percent of debris generated from the construction process will be recycled. Recyclable debris includes scrap metal from piping, steel framing and steel packaging, as well as wood products.

The new building also will be constructed using 5 percent recycled material, mostly structural steel.

One of the project's goals is to build a "green" building that adheres to LEED (Leadership in Energy and Environmental Design) standards. A project can receive LEED points for the amount of recycled materials used in construction and the amount of construction debris that is recycled. Green measures planned for the new building include the use of green roofs that will reduce storm water run-off and reduce heat gain.

More information about the Ross School of Business building project can be found at the [Community Creation](#) Web site.

For more information, contact:

Adrienne Losh

Phone: (734) 615-5068

Email: alosh@umich.edu