

# **New Paratransit Facility**

1330 Fields Avenue  
Columbus, OH

The project is scheduled for completion in December 2010.

The facility is planned to meet Silver Certification under the Leadership in Energy and Environmental Design (LEED) Program as defined by the US Green Building Council. Features of the facility include the following:

- Storage and maintenance for 110 Paratransit vehicles
- Six vehicle maintenance bays
- Administration offices
- State of the Art Eligibility assessment center
- Bus wash
- Two Fueling islands

In an effort to become more environmentally friendly, this facility will feature several "green" initiatives. The facility was designed to take advantage of abundant natural lighting in the administrative offices and bus storage area reducing our dependence on artificial lighting. Automatic sensors are strategically located throughout the facility to detect motion. Studies have shown that abundant natural lighting increases both morale and using technology can reduce electricity use.

A below floor HVAC system will allow employees to receive both heat and air conditioning from underneath the floor as opposed to the ceiling. This system greatly reduces the heat and air lost when traveling through typical air ducts.

Another environmentally friendly feature is a rainwater harvesting system. Due to the design of the roof, three 15,000 gallon, underground storage tanks will capture rainwater where it will be stored and used to wash buses and flush toilets. Landscaping plants were chosen that doesn't require any irrigation system but rather thrives naturally in central Ohio's climate.

The White Membrane Roofing atop the facility and Roller Compacted Concrete (RCC) in the employee and visitor parking areas were chosen to reduce the heat island effect of typical oil-based products. With the rise in oil prices, RCC has become an alternative that is less expensive and more durable.

The project is projected to recycle 75% of construction generated waste and use 20% of recycled materials for the building construction.