

Wall Street West Parking Structure



Project Description

To provide additional parking capacity, the university plans the construction of a 7-level, 1,080-space parking structure on Wall Street to be built over an existing 130-space surface parking lot. Although this will allow a net gain of 950 parking spaces due to this project, U-M also needs to prepare for the potential loss of 250 parking spaces owned by the City of Ann Arbor and leased by the university on Fuller Road where the new Amtrak train station is proposed to be built.

Energy Efficiency Measures

- Energy-efficient LED lighting with a maximum consumption of 0.21 watts per sq-ft, in compliance with ASHRAE Standard 90.1-2013
- Lighting controlled by occupancy sensors and photocells to maximize energy savings
- Designed as an open parking structure, thereby eliminating the need for powered ventilation
- Regenerative elevator drives to capture energy during cab descent

Sustainability Features

- Utilized porous landscaping hardscape similar to the existing Wall Street East Parking Structure to reduce storm water runoff
- Utilized a rainwater detention system on site or nearby to control rate of discharge and minimize flooding
- Storm water interceptors will remove particulates on site before discharging
- Native and adapted plant materials will minimize the need for irrigation
- Infrastructure installed for electric vehicle charging stations
- Covered bicycle parking
- Used recycled content in concrete mix to reduce impact on landfills
- Recycling containers are provided by the University at key locations in the facility
- White EPDM roofing used to minimize heat-island effect