Sustainable Success Stories

**KCATA Troost Avenue Bus Rapid Transit System**

**Project Description:**
The MAX on Troost, a new Bus Rapid Transit (BRT) route along Troost Ave., between Downtown Kansas City and Bannister Road, features well lit stations with real-time arrival signage, uniquely designed and accessible shelters, energy-efficient buses, streetscape and landscape amenities. The MAX stations include energy-efficient LED lighting elements, Ipe wood benches, recycling receptacles and landscaping. Several stations also include rain gardens and solar-powered trash compactors.

The MAX buses have clean-diesel engines, which significantly reduce emissions. The Kansas City Area Transportation Authority (KCATA) will also use five new hybrid electric buses, the first full-size buses of this type to operate in the Kansas City region. These engines operate on battery power up to speeds of 25 mph at which time a clean-diesel engine supplies power and recharges the batteries, reducing emissions and increasing fuel economy by 10 to 20 percent.

**Goals:**
The MAX on Troost will provide faster, more frequent, limited-stop service along Troost Ave., which has the largest number of transit riders in the Kansas City metropolitan area. From the beginning, the KCATA has sought to make MAX on Troost an environmentally friendly project that will enhance the corridor and enrich the community.

**Community Benefits:**
Additional lighting was added to the MAX stations to increase safety and visibility. Upgraded traffic and pedestrian signals, corner bump outs, upgraded and accessible sidewalk ramps and improved crosswalks make intersections safer.

**Funding Sources and Partnerships:**
The Federal Transit Agency funded 80 percent of the $30 million project with a required local match of 20 percent. The local match consists of funding from the city of Kansas City, Mo., the Kansas City Power & Light.

Kansas City worked with KCATA from the very beginning to coordinate all public improvements. The Water Services Department and Parks & Recreation Department have agreed to maintain the rain gardens and trees within the public right-of-way. Partnerships with UMKC, Rockhurst University, Truman Medical Center, General Services Administration, 31st & Troost Community and St. James Church allowed significant enhancements to several MAX stations.

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The new Park & Ride facility at 31st and Troost is the largest pervious concrete pavement project in Kansas City.