



Fall 2009

Established in 1910

Sikeston, Missouri, Project Underway

Construction is underway on a new two-story office building for the City of Sikeston, Missouri. Designed by the architectural firm of Dille & Traxel to blend into the surrounding historic downtown district, the 30,000-square-foot facility will accommodate the Board of Municipal Utilities.

With a facade composed of brick and stone, and augmented with arched windows, classic moldings and numerous intrinsic details, the structure's architecture awakens memories of buildings from another era. A highly functional floor plan incorporating state-of-the-art infrastructure and appealing interior finishes presents a user-friendly workplace and offers a welcoming atmosphere to the public. The site is part of a downtown redevelopment that will include other municipal buildings as well. Certain to become a community landmark, the Municipal Utility Building will present a compelling presence and become the hub for downtown renewal.

Established in 1931 to operate an electrical generation and distribution system for the City of Sikeston, the Board of Municipal Utilities' (BMU) responsibilities have been expanded periodically. The BMU functions as a separate unit of city government, is appointed by the city council, and currently directs the infrastructure for electric, water, sanitary sewer and Internet services.

Electrical power is supplied by a 235 megawatt coal-fired generation station. Power generated by the station's steam turbine flows to a nearby substation owned by the Southwest Power Administration. From there it flows into the main power grid that serves the entire Midwest. Sikeston's power needs are also met by one of the circuits from the SWPA substation and through five BMU substations around the city.



An artist's rendering of the New Sikeston Municipal Utilities Building

A 115-car Burlington Northern-Santa Fe coal train arrives at the Sikeston Power Station twice weekly with coal from a mine in the Powder River Basin of Wyoming. The plant burns more than a million tons of Powder River Basin coal per year. The power needs of Sikeston account for roughly one-third of the generating capacity of the 235 megawatt Sikeston Power Station. In accordance with the facility's initial plan, BMU has ongoing contracts with the Missouri cities of Carthage, Columbia, Fulton, Trenton and West Plains to purchase excess power generated above Sikeston's demand.

BMU operates three water treatment plants, with potable water being drawn from eight deep wells. These plants provide Sikeston with more than seven million gallons of water per day. The water distribution system consists of 130 miles of water mains, 850 fire hydrants and 3.8 million gallons of water storage capacity.

The sanitary sewer system includes an Orbal oxidation ditch, two contact stabilization treatment plants and an aerated lagoon wastewater treatment

facility. The sanitary sewer distribution system utilizes 14 lift stations and five miles of force mains with approximately 100 miles of sewer.

The utility also maintains a critical communications network for the city, public schools and utility services, as well as being an Internet service provider. A 33-mile fiber optic backbone system interconnected with an OC48 SONET transport network allows Sikeston to link all BMU facilities, City Hall and all Department of Public Safety facilities on a high-speed, wide-area communications network. Future development of the fiber optic network may facilitate the offering of high-speed data services to businesses and residences in Sikeston.

While servicing approximately 9,000 residential and business customers, Sikeston's utility rates are routinely among the lowest in the state of Missouri.

Construction began in June and completion is expected next June. Penzel's construction team is led by project manager Luke Miget, E.I.T., and project superintendent Dave Mirgeaux.

Project Updates

- **Route 72 - Madison County** – Penzel Construction Co. was awarded the \$1.04 million project on 10/29/08. Construction started on the new 107-foot single span concrete girder bridge on 12/8/08, and a 9/30/09 completion is anticipated. Work includes a temporary bypass and bridge, clearing and grubbing, earthwork, paving, guardrail, construction signing and other miscellaneous items. Jack Conklin, Jr. is the project superintendent.

- **County Road 524** – Cape Girardeau County Project budgeted at \$567,000. Builds two new bridges located north of Shawneetown, Mo. The project was completed in mid-June 2009. Mike Williams was the project superintendent.

- **MODOT Various Counties** – Safe and Sound bridge replacements—two in Stoddard County, one in Perry County. \$620,000 project to rehabilitate bridges and replace decks with new precast units. Project started 2/9/09 and was completed in August. Dennis Ward was the project superintendent.



- **Route 72 - Bollinger County** – \$1.07 million bridge replacement project started on 5/4/09, with completion anticipated by 11/1/09. Work includes a temporary bypass and bridge, clearing and grubbing, earthwork, asphalt paving, guardrail and other miscellaneous items. Mike Williams is the project superintendent.

- **MODOT Various Counties** – Safe and Sound bridge replacements—three in New Madrid County, one in Bollinger County. \$1.12 million project to rehabilitate bridges and replace decks with new precast units. Project started 6/8/09, estimated completion by 12/1/09. Dennis Ward is the

project superintendent.

- **Saxony Lutheran High School's** 7,000-square-foot east wing expansion was completed in August, prior to the start of the new school year. A similar 7,000-square-foot expansion of west wing was completed in October. Luke Miget was the project manager.



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