



## MetroLink Extension

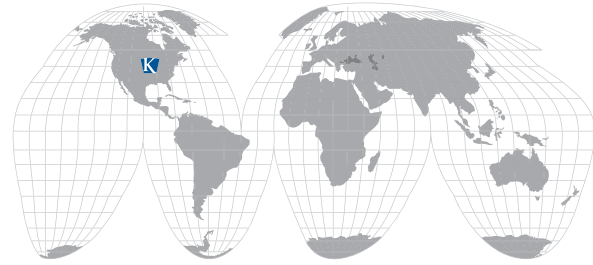
St. Louis, Missouri

The ambitious eight-mile extension of the St. Louis, Missouri MetroLink commuter rail system required massive earth moving and extensive retention solutions. Keystone's superior strength, cost-competitiveness and speed of installation made them the right solution for this complex project.

Project designers chose Keystone Compac Straight Face with a high-strength mix- manufactured by Kirchner Block & Brick, Inc. in Bridgeton, Missouri. The Keystone Compac units were manufactured to meet the Missouri DOT standards of 4000 psi and a maximum of five percent absorption.

Tom Zeisler, a Kirchner sales representative, was more than pleased with Keystone's steadily increasing role in the project. *"The initial plans for the MetroLink project called for about 20,000 square feet of Keystone product,"* he said. *"In the end, they installed about 60,000 square feet. The flexibility of the Keystone products was a great selling point. On this project, they kept finding more opportunities for the product."*

According to Ed Austin, P.E., of Aspen Consultants, the wall engineer on the project, Keystone walls played a significant role in the construction of the commuter rail line. *"I was involved with more than 20 separate walls along the project that used Keystone,"* Austin said. *"SRWs lend themselves well to many different types of applications from small walls for pedestrian walkways to rail bed support. At bridge overpasses, three-foot diameter concrete piers support the bridge decking. Keystone Compac walls support the hillside soil mass."*



<b>Project:</b>	<i>MetroLink</i>
<b>Location:</b>	<i>St. Louis, Missouri</i>
<b>Owner/Developer:</b>	<i>Bi-State Development Agency</i>
<b>Keystone Product:</b>	<i>Keystone Compac - Straight Split - High-strength mix (4,000 psi - 5% max. absorption)</i>
<b>Licensed Manufacturer:</b>	<i>Kirchner Block &amp; Brick, Inc. Bridgeton, Missouri</i>
<b>Total Wall Area:</b>	<i>60,000 square feet</i>
<b>Wall Contractor:</b>	<i>Rosch Company, LLC Scott Rozier, Wade Schmidt</i>
<b>Engineer:</b>	<i>Aspen Consultants Ed Austin</i>



CASE STUDY



