

Education:

MS Civil Engineering
(Transportation)
University of Kansas

BE Architectural and
Civil Engineering
Shanghai College of
Architectural and
Municipal Engineering

**Professional
Registration:**

Kansas

Career Overview

Patty has some 15 years' experience successfully completing civil engineering, site design, and streetscape projects throughout the Kansas City area. In addition, she has conducted studies involving traffic and pedestrian volumes, traffic speed, parking, travel time, and delays. These planning activities have supported detailed design and have provided the basis of design assumptions for larger project elements. Before joining T&B, Patty served as a research assistant in the Transportation Center at the University of Kansas where she conducted studies of traffic and pedestrian volumes, traffic speed, parking, travel time, and delays and developed signal and sign designs.

As part of the T&B "Road Gang," Patty has developed designs for:

Hickman Mills Drive — This project involved full-depth reconstruction of Hickman Mills Road to provide an urban, four-lane pavement section from the end of the existing four-lane pavement North of the westbound I-470 ramp to Red Bridge Road. Also included was design work for reconstructing the intersection of Hickman Mills and Red Bridge Road.

Riverfront Park — This project involved designing a new Grand Boulevard Viaduct over the BNSF and Union Pacific Railroads, construction of Riverfront Drive to provide access to the I-29/35 Interchange, and landscape of approximately 4,500 feet of frontage along the Missouri River.

Shoal Creek Parkway — This project involved the extension of Shoal Creek Parkway from Hodge Park to NE 96th and included realignment of a portion of NE 96th Street and the design of a roundabout at the intersection of Shoal Creek Parkway and NE 96th Street. Patty's focus was on hydraulic calculations and intersection sight distance design of the roundabout.

West Raytown Road Alignment — This project involved replacement of the West Raytown Road Bridge over Round Grove Creek with a 156-foot-long, three-span, precast concrete, I-girder replacement structure. The project also included lengthening the new structure and raising the approach roadway to provide additional hydraulic capacity. An MSE retaining wall was designed along the south side of the roadway approaches to accommodate the 54-inch Jackson Cass transmission main, which parallels the project, and a new 12-inch water distribution main was designed to avoid conflicts with the roadway and bridge improvements.

Patty's other roadway work includes design efforts for the Blue Parkway project, which replaced an old, four-lane undivided highway with a new, six-lane parkway, spearheading extensive neighborhood revitalization as well as designing new and relocated streets for the Maryland Avenue Garage project at the University of Missouri – Columbia. She has also been involved in numerous development projects where she has developed extensive site, street, parking, and streetscape designs.