

Commercial

Carpenter
Wright
Engineers



Structural Consultants



University of Tennessee Cumberland Avenue Parking Garage
Knoxville, Tennessee

Parking Garages

Located at the corner of 11th Street and Cumberland Avenue, this garage added 1,419 parking spaces for the University of Tennessee's Knoxville campus. Carpenter Wright Engineers provided structural design services for this 417,000 square foot, nine level post-tensioned concrete parking structure. In addition to post-tensioned framing, the garage includes below grade concrete walls with retained earth up to 45 feet in height. The foundation consists of drilled piers. This project also included a steel-framed pedestrian bridge crossing Cumberland Avenue to "The Hill". The foundation system consists of concrete drilled shafts for the garage and a combination of drilled shafts and driven H-piles for the pedestrian bridge.



Merit Award
2005 Excellence Awards
Masonry Institute of Tennessee

Architect: *BarberMcMurry architects*

CWE Design Offices:

**Nashville
Knoxville**