



Photo 5-70. William H. Marshall Memorial Bridge, Broward County (No. 864072)

William H. Marshall Memorial Bridge

Broward County

FDOT # 864072, 8BD4771

This Scherzer type, double-leaf rolling lift bascule bridge carries SW 7th Avenue over the New River and 5th Place in Ft. Lauderdale. The William H. Marshall Memorial Bridge was designed by the J.E. Greiner Company and built in 1964 by Powell Brothers, Inc. The 366-foot long bridge is composed of six concrete beam and girder approach spans and a 93-foot main bascule span.

This bridge is newly recommended NRHP-eligible under Criterion A in the area of Community Planning and Development for its significant associations to the historical development of Ft. Lauderdale, and under

Criterion C in the area of Engineering, as it embodies the distinguishing engineering characteristics of a mid-twentieth century rolling lift bascule design. It is one of only nine remaining rolling-lift bascule bridges in Florida, of which three are located in Broward County.

SE 3rd Avenue over New River & S.

New River Drive

Broward County

FDOT #864071, 8BD4770

This 1960, seven span, four-lane, double-leaf Scherzer type rolling-lift bascule bridge carries SE 3rd Avenue over the New River in downtown Fort Lauderdale. It is one of only nine remaining rolling-lift bascule bridges in Florida. It was designed by the J.E. Greiner Company of Tampa and constructed by general contractor Powell Brothers, Inc.



Photo 5-71. SE 3rd Avenue Bridge, Broward County (No. 864071)

The SE 3rd Avenue Bridge is 366 feet long and features a cast-in-place concrete deck. The bridge is composed

of a 93-foot long main movable steel span and six prestressed, precast concrete girder approach spans. The double-leaf bascule span has two main girders, three floor beams, 18 stringers, two counterweight trusses, and lateral bracing. Two solid reinforced concrete breast walls rest on reinforced concrete footers and are flanked by retaining walls. The two-story tender station is mounted to the west side of the north pier. The tender station walls feature decorative tile work, and the hipped roof features red barrel tiles and exposed rafter tails. It also retains its original commemorative plaques, and a stylized wall with circular voids abuts its entrance.