

BUFFALO BAYOU SIPHON



OWNER:	City of Houston
GENERAL CONTRACTOR:	Boyer, Inc.
ARCHITECT/ENGINEER:	Black & Veatch
ENGINEER OF RECORD:	Stiver Engineering
BOYER CONTRACT:	\$6,100,000
TYPE OF CONTRACT:	Prime Contractor
PROJECT TYPE:	Large Diameter Sewer Siphon
COMPLETION DATE:	August 2002

Boyer, Inc. was required to work with minimal traffic disruption in the Downtown Business District. Scope includes 5 vertical structural concrete tunnel shafts up to 29' Diameter & 120' depth within 25' of existing buildings and bridge structures. Settlement monitoring instrumentation utilizing extensometers (2) and inclinometers (6) was installed to verify adjacent structures stability. 1250 linear feet of Jacked Pipe with closed face Tunnel Boring Machine (TBM) Tunnels from 65' to 110' of depth under city streets & Buffalo Bayou will be installed. Boyer provided all means and methods for installation of shafts & tunnel methods with owner provided plan & profiles.

