

CENTERPOINT ENERGY
HOUSTON ELECTRIC LLC



OWNER:	CenterPoint Energy
GENERAL CONTRACTOR:	Boyer, Inc.
ENGINEER CIVIL:	Binkley & Barfield
ENGINEER ELECTRICAL:	Power Engineers
BOYER CONTRACT:	\$27,000,000
TYPE OF CONTRACT:	Prime Contractor
PROJECT TYPE:	Power Transmission
COMPLETION DATE:	January 2006

Scope includes 5.5 miles of dual ductbank each containing nine 8 Inch Schedule 40 conduits (total conduit footage over 500,000 feet). When complete the 11 miles of underground ductbank will enclose a 138 kv transmission line a large portion under the future Interstate 10 West bound frontage road. The project presented many challenges due to the proximity to existing utilities, businesses, streets and the always-congested Interstate 10 corridor. Project requirements included placement of 25,000 yards of special thermally conductive red concrete encasement and 20,000 yards of flowable thermal back-fill under paved areas. Boyer also installed 46 manholes sized 24 foot by 11 foot by 8 foot tall varying in burial depth from 16 to 30 feet. Several creek and road crossings require tunneling and directional drilling the longest is 1200 feet long.

