



## TBTA Throgs Neck Bridge

Electrical and security design support services

This graceful suspension bridge connects the Bronx to Queens and on to Long Island. It was the first major bridge of the postwar era. Spanning 1,800 feet long with two side spans of 555 feet each, the bridge contains 4,100 foot roadway, suspended by towers reaching 360ft.

The client required design and design support services for security-related systems at the bridge anchorages and towers, perimeter doors and hatches, the underside of the suspended spans, the fenders, and tower pedestals.

AG performed design for complete electrical power, UPS, panel boards, wiring/ conduits, and devices for lighting, computer-based CCTV surveillance system, intruder alarms, digital video recording, a proximity card access system, and fiber optic.



**Location:**  
Queens, NY

**Owner:**  
TBTA

**Client:**  
Ross & Baruzzini

**Construction Cost:**  
\$4mm

**Completion Date:**  
2017

**Services Provided:**  
Electrical  
Security

A.G. Consulting Engineering, PC  
131 W 33rd Street, Floor 12  
New York, NY 10001  
212-268-0950  
agceng@agceng.com  
www.agceng.com