

# Bayou Segnette Pump Station and Company Canal

New Orleans, Louisiana

**Owner:** USACE, New Orleans District

**Description:** INCA Engineers, Inc., A Tetra Tech Company (INCA) was selected to design flood gates at the Old Bayou Segnette Pump Station and at the entrance to Company Canal. Initially, approximately 1,200 feet of structural flood wall was designed to protect the distance between the two gates.

At Old Bayou Segnette Pump Station, INCA designed a 30-foot-wide vertical lift gate. The gate will be powered electrically and controlled from three operating stations and has a manual back up lowering system.

At Company Canal, a barge gate was designed with a 45-foot clear opening, sill elevation at -8.00 and still water level at elevation 9.00. The barge is approximately 15-feet wide and 47-feet long. During storm threats, the barge will be floated into the closed position from the stored position via a powered capstan and then ballasted down for potential flood events. Reactions will be taken by two abutment frames.

Between the two gates, INCA designed a series of "A-Frame" flood walls which provide flood protection.



local presence, global reach: delivering innovative, practical solutions