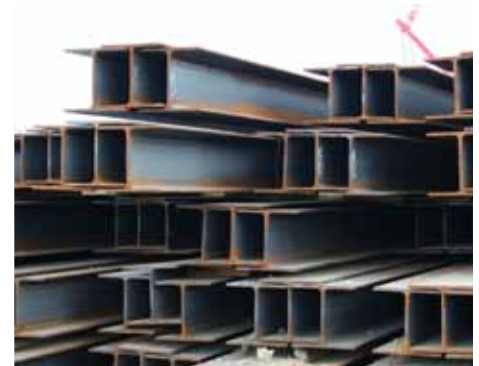


CASE STUDY

# LPV-146 - Chalmette Loop Levee Bayou Dupre to Hwy 46

St. Bernard Parish, Louisiana



The project required the construction of a T-wall on top of the existing levee to 100 year elevation and emergency bypass for Highway 46. This reach is approximately 39,966 feet in length. The work required in this reach consisted of a new reinforced concrete T-wall supported by steel H-piles to be built on the existing levee. The existing levee will be slightly degraded in order to drive H-piles, drive steel sheet pile for seepage cut-off, and place a stone pad for concrete footing. The foundations are typically embedded approximately 3.0 feet into the crown for erosion protection. Riprap will be placed from the flood-side toe to the protected-side toe for scour protection. The existing earthen levee ranges in elevation from 17.5 to 21.5. The floodwall will be constructed to elevation 31.5 for future (2057/2060) conditions. An emergency bypass for Highway 46 will also be constructed.

## Project Partners

### Owner

The Army Corps of Engineers

### Products

HP14" x 89#	54,951 Tons
HP16" x 162#	1,961 Tons
PZ23.6 SSP	9,844 Tons