

# PipeWeights Geotextile Buoyancy Control Weights

Belle Rose, Louisiana

## Bayou Bridge Pipeline

### PROJECT TEAM

#### OWNER:

Energy Transfer and Philips 66

#### CONTRACTOR:

Sunland Construction

#### SUPPLIER:

Industrial Fabrics, Inc.

### TECHNICAL DESCRIPTION:

Product: PipeWeights  
24" pipe bag  
Weight: 5,000 lbs  
Quantity: Ongoing  
Installation Date: April, 2018 - present



### PROJECT DESCRIPTION:

Considering the high demand of petroleum products by America every day, this 163 mile, 24 inch Bayou Bridge pipeline will help maintain future growth by connecting several crude hubs between Lake Charles and St. James, Louisiana. Once completed, the pipeline will be able to transport 480 thousand barrels of light and heavy crude oil each day.

### PROBLEM:

Due to low elevations and swampy wetland environments in this region, underground pipelines are susceptible to being moved and broken by groundwater conditions, buoyancy issues, and other factors.

### SOLUTION:

By using **PipeWeights**, the pipes were held safely in place and uplift was prevented while keeping the pipe's coating intact. **PipeWeights** is a woven polypropylene geotextile bag to be filled with an aggregate, in this case sand, and placed on pipelines. It is designed as a buoyancy control feature, providing a permeable path for ground water and cathodic protection.

Pipeweights may change product specifications without notice. The Pipeweights system is suitable for use in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of Pipeweights units to assure proper design. **ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.**

**PIPEWEIGHTS**  
geotextile buoyancy pipeline control

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CASE STUDY