



PIPELINE



T. Baker Smith (TBS) engages a suite of integrated services for both greenfield and brownfield pipeline projects to our clients, assisting in their quest to build, enhance, and maintain our energy lifelines. From route analysis, permitting, and design for new builds to anomaly stakeout, regulatory compliance, and pipeline exposure services for existing pipelines, TBS professionals work with the utmost degree of safety and responsiveness to provide engineering, surveying, and environmental services for the construction of new pipelines and the integrity management of existing pipelines that transport the goods we need to heat our homes, fuel our cars, and sustain our way of life.



NEW BUILD

INTEGRITY MANAGEMENT

- + Planning**
 - Route Analysis
 - Risk Assessments
 - Environmental Surveys
 - Land Rights
 - Land, Near & Offshore Surveying
- + Design**
 - Modeling
 - Permitting
 - Plans & Specifications
 - Design Receipt & Delivery Points
- + Installation (Building)**
 - Bidding
 - Contractor Selection
 - Materials Procurement
 - Construction Management
 - Construction Staking
 - As-Built Surveying
 - Environmental Inspection
 - Data Management
- + Commissioning (Operating)**
 - As-Built Drawings
 - Compliance Reviews/Documentation
 - GIS/Mapping

- + Monitoring/Baseline Assessment (Planning)**
 - Interval Survey – Pig Run
 - Depth of Cover Surveys
 - Navigable Waterways Inspection
 - Regulatory Compliance
- + Remediation Planning (Designing)**
 - Permitting
 - Land Rights
 - Engineering
 - Project Management
 - Pipeline Exposure
- + Rehabilitation (Building)**
 - Anomaly Stakeout
 - As-Built Surveying
 - Offshore Marine Positioning
- + Operations/Maintenance/Management/Damage Prevention (Operating)**
 - Mapping/GIS/Data Management
 - One Calls
 - Inspection Schedule Tracking
 - In-Line Tool Tracking



Delta Express Pipeline

The Delta Express Pipeline is proposed to consist of 280 miles of two parallel 42-inch-diameter natural gas pipelines that will traverse from the Delta LNG terminal to a natural gas pipeline intersection near Alto, Louisiana. TBS is providing integrated professional services, including a topographic centerline survey and hydrographic survey for the pipeline route and compressor station sites utilizing UTVs, aerial LiDAR, airboats, and our hydrographic vessels; topographic and boundary survey work for the proposed Delta LNG facility; and environmental surveys, including wetland delineation reports.



Air Liquide Proposed Whiskey 11.3-Mile Pipeline

Air Liquide needed to construct 11.3 miles of 12" nitrogen and oxygen pipelines. TBS provided professional land surveying, hydrographic surveying, and regulatory services during the planning and design phases of the project. TBS conducted a preliminary route survey to establish the best possible route and obtained the necessary permits for all highway and waterway crossings, including the Mississippi River. TBS produced right-of-way plats, including foreign line, waterway, highway, and railroad crossing plats during the pre-construction phase. TBS also provided updated aerial imagery of the route during both pre- and post-construction.



Atchafalaya River to Bayou Shaffer HDD

Project consisted of designing a 22" line under the Atchafalaya River and Bayou Shaffer via HDD installation methods. In addition to the two drills, approximately 4000 linear feet of new pipe is proposed for installation by traditional trenching methods between the Atchafalaya River and Bayou Shaffer crossing. Overall project totals approximately two miles of new pipeline that will cross under two USACE maintained levees. The pipeline needs to be routed and tied into Shell's Berwick Facility. TBS analyzed three alternative routes based on cost, land impacts, wetland impacts, and probability of success. TBS also performed data collection and design of the recommended alternative.



Castex Pipeline Hazard Survey

Castex Energy requested hydrographic surveys in order to avoid physical hazards during construction of a 10-inch pipeline. TBS conducted a hazard survey for the Nexen Facility, which included a probe for pipelines around Castex platforms in the Belle Isle area of the Atchafalaya Bay. TBS field crews performed daily safety meetings before conducting inspections aboard a survey vessel and spud barge. Preliminary drawings depicted the proposed pipeline route to the existing Castex platform. Other drawings depicted location data for existing flowlines, foreign pipelines, and possible debris along the survey corridor. All located pipelines were probed to find depth of cover.



Colonial Pipeline Relocation

Colonial Pipeline needed to relocate a pipeline near Krotz Springs due to erosion from the Atchafalaya River. TBS investigated the potential environmental impact of a plan to relocate a pipeline near Krotz Springs on both sides of the Atchafalaya River. Construction required coordination between local, state, and federal agencies in the procurement of exploration, dredging, and drilling permits. TBS monitored construction progress and recommended mitigation plans for sections of uplands and wetlands, which included the replanting of bottomland hardwoods on- and off-site as well as bank restoration along the Atchafalaya River.

LOCATIONS

- Lafayette, Louisiana..... 337.735.2800
- Baton Rouge, Louisiana..... 225.744.2100
- Thibodaux, Louisiana..... 985.446.7970
- Covington, Louisiana..... 985.302.0730
- Metairie, Louisiana..... 504.323.3460
- Houston, Texas..... 281.240.0113
- Corpus Christi, Texas..... 361.334.5719
- Galveston, Texas..... 409.220.1669
- Jackson, Mississippi..... 985.868.1050

CORPORATE HEADQUARTERS

412 South Van Avenue
 P. O. Box 2266 (70361)
 Houma, Louisiana 70363
 Tel: 985.868.1050



Scan for more information

