

Percheron is Your Partner in Renewable Natural Gas Projects

LAND ENGINEERING SURVEY ENVIRONMENTAL TITLE

Feasibility Study

Project Budgeting
Material Lists, Specifications
and Bid Documents
Construction Job Showing, Bid
Evaluation
Preliminary Routing
Line List & Permit Matrix
TIC Estimate
Environmental Desktop
Analysis
Stakeholder Engagement
Planning
Wetland Delineations
Endangered Species Field
Survey
Archaeological Field Survey
and Report
Pipeline Detail Design
Facility Design

ROW & Environmental Permit Acquisition, Detail Design

Constructibility Report
Preliminary Pipeline Design
Preliminary Title & LTCs
Survey Permission & Support
Deed Plots, Boundary
Analysis & Centerline Survey
Negotiations
Plat, Permit, Alignment Sheet,
Construction Detail Production
Environmental Permitting

Construction

Pre-Construction Staking
Aerial Inspections
As-Built Alignment Sheets &
Data Delivery
Environmental Consultation &
Construction Support
Job Book Description
Final File & Data Transfer

19,000 +
miles of linear project experience
nationwide in the last 15 years

*To find out how
we can help,
contact us*



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Engineering

- Project Management
- Due Diligence Studies and Regulatory Compliance
- Route Selection/Evaluation, Constructibility Review and Micro-Routing
- Concept and Project Scope Development and Total Installed Cost (TIC) Cost Estimates
- Pipeline & Facility Design
 - › Transmission / Gathering Pipelines (Urban and Rural)
 - › Meter Stations
 - › Pump Stations
 - › Storage Facilities
- Balance of Plant Design
- Transmission System Design
- Distribution System Design
- Solar Panel and Wind Turbine Layouts
- Energy Storage Layouts
- Construction Specifications
- Hydrostatic Test Procedures
- Horizontal Directional Drill (HDD) Design including Drilling Fluid Management and Hydraulic Fracture Analysis
- Purging and Commissioning Procedures

Environmental

- Federal Energy Regulatory Commission Filings
- US Army Corps of Engineers Permitting
- US Fish & Wildlife Service
- Water Quality Certifications
- Wetland & Habitat Conservation/Mitigation
- Conservation Banking
- Threatened & Endangered Species Consultation
- National Historic Preservation Act Consultation
- National Environmental Policy Act (NEPA)
- Application for Permit To Drill
- Scenic River Permits
- Environmental Compliance
- Pre & Post Construction Assessments
- Constraint Mapping
- Public Outreach
- Expert Testimony

Title

- Lease Checks
- Mineral Title Research
- Runsheet/Certified Title Preparation
- Surface Title Research
- Limited Title Certificates
- Chain of Title Preparation
- Production Research
- Document Management
- File Review/Assimilation & Data Entry
- Project Management
- Tax Research
- Due Diligence

Survey

- Boundary Surveying - ALTA/NSPS Land Title
- Topographic/Design Surveys
- Corridor Route Surveys
- Geodetic Control Surveys
- Utility Designating and Locating Surveys
- Hydrographic/Bathymetric Services
- Professional Mapping Services
 - › Boundary and Easement Plats
 - › Plan and Profile Sheet Production
 - › Site Planning and Layout
 - › Grading and Drainage Plans
 - › Pipe Grading
 - › Construction Alignment Sheets
 - › HDD and Bore Design
 - › As-Built Alignment Sheets
 - › Construction Site Specific Exhibits
 - › Environmental and Non-Environmental Permits
- 3D Laser Scanning/High-Definition Surveying
 - › BIM/Digital Twin Modeling
 - › Detailed Plant/Facility Surveys
 - › Construction Progress Asset Management
- Construction Staking and Support
- As-Built Surveys
- Settlement and Monitoring Surveys
- O&M Survey Support
- Regulatory and Compliance Surveys

Land

- Project Management
- Feasibility Studies
- Route and Site Selection
- Due Diligence
- Oil & Gas Lease Acquisition/Amendment
- Right-of-Way Acquisition/Amendment
- Non-environmental Permitting
- Fee/Mineral Acquisition
- Geophysical Testing Permit Acquisition
- GIS/Mapping
- Lease Records/Asset Management
- Land Administration Support/Document Recording
- File Review/Assimilation & Data Entry
- Surface Site Acquisition & Settlement of Surface Damages
- State & Federal Lease Sale Representation
- Eminent Domain Support
- Construction Monitoring & Damage Settlement
- Relocation Assistance
- Operations Support & Maintenance
- Survey Permissions
- Survey Support

UAS

- Traditional Photogrammetry
- Airborne LiDAR
- Airborne Topographic Surveys
- Terrestrial LiDAR/Laser Scanning
- Mobile Mapping/LiDAR Surveys
- Large- and Small-Scale Volumetric Surveys
- Route Selection Assistance
- PHMSA/Regulatory Surveys
- Tank/Facility Documentation Surveys
- Aerial Reclamation Investigation and Survey Support
- UAS Equipment Feasibility and Case Studies
- UAS BVLOS and Sensitive COA Projects
- Blue/Green/NDAA compliant data collection available
- Aerial Photo/Video Documentation
- Linear Corridor/ROW/Site Inspection
- Construction Monitoring
- Emergency and Disaster Response
- Civil Infrastructure Documentation
- Environmental Conditions Documentation
- Asset Documentation
- Pre- and Post-Construction Assessments
- Wireless Infrastructure Inspection
- Thermal Inspection
- Leak and Failure Detection
- Multi and Hyperspectral Data Acquisition

GIS

- GIS Analysis
 - › Siting Studies for Suitability
 - › Routing Analysis and Selection
 - › Routing Summary & Detailed Reports
 - › Impact identification
 - › HCA Identification
- Webmap Applications
 - › GRID Webmap Application
 - › Project Reporting Dashboards
 - › Esri Field Maps
 - › Google Earth Pro
- Data Management
 - › GRID Database
 - › Enterprise SDE
 - › Feature Services
 - › Task Automation
 - › QA/QC Measures
- Cartography
 - › Mapbooks (Map Series)
 - › Engineering Route Maps
 - › Plotter Maps
 - › Site Maps (Siting Analysis)
 - › Preliminary Exhibits
 - › Permit Maps
 - › Environmental (NR/CR) Figures



PERCHERON
MAKING LIVES BETTER