

REQUEST FOR PROPOSAL (RFP)

Wright-Arellano

PROJECT OVERVIEW

Name: Petro Michaelmouth Safety Compliance
Type: Safety Compliance
Location: North Michaelmouth, FM (Refinery Zone)
Industry: Oil & Gas
Value: \$9,158,846
Complexity: 2/5
Date: April 09, 2025
Disciplines: Piping & Pipeline, Structural Engineering
Regulations: OSHA Regulations

SCOPE OF WORK

Scope of Work: Oil & Gas Facility Pipeline and Platform Upgrade

Project Goal: Upgrade existing pipeline infrastructure and reinforce a processing platform to improve operational safety and efficiency, increasing throughput by 15%.

Disciplines: Piping & Pipeline, Structural Engineering

Complexity: 2/5

Regulations: OSHA Regulations (where applicable)

Piping & Pipeline Engineering:

1. Pipeline Rerouting: Design and detail a 500-meter reroute of a 6-inch diameter, Schedule 40 carbon steel oil pipeline to bypass a newly designated environmentally sensitive area. This includes developing detailed isometric drawings, material specifications adhering to ASME B31.4, and performing hydraulic analysis to ensure adequate flow capacity with a pressure drop less than 5 psi. Deliverables will include pipeline design drawings, material lists, and hydraulic analysis reports.
2. Valve Replacement: Replace five existing 4-inch gate valves with new ball valves in the existing process piping system within a flare system, ensuring compliance with API 600 standards. This involves creating detailed valve specifications, including pressure ratings (1500 psi), material selection (Carbon steel with stainless steel trim), and actuator selection. Deliverables include valve specifications, procurement documents, and installation drawings.
3. Pig Launcher/Receiver Installation: Design and specify the installation of a new 6-inch diameter pig launcher and receiver station for the existing pipeline system to facilitate inline inspection. This includes site layout drawings, structural support designs for the launcher and receiver, and the specification of compatible pigging equipment. Deliverables include detailed drawings, material specifications, and an installation plan.

Structural Engineering:

1. Platform Handrail Upgrade: Upgrade existing handrails on a processing platform to comply with current OSHA safety standards, specifically those relating to fall protection. This includes replacing existing corroded steel handrails with galvanized steel complying with ANSI/ASSE A14.1, and providing detailed shop drawings and installation instructions.
2. Support Beam Reinforcement: Reinforce existing steel support beams for a process module on the platform to accommodate an increased load of 10 tons. The reinforcement design will utilize additional 30-ton capacity steel beams (ASTM A36), providing detailed stress analysis and supporting calculations. Deliverables will include structural calculations, detailed drawings of the reinforcement, and a revised load capacity report.

Cross-Disciplinary Tasks:

1. Pipeline-Platform Integration: Coordinate the pipeline reroute design with the structural modifications to the platform, ensuring the new pipeline route is safely integrated into the existing platform infrastructure, with appropriate clearance maintained. This includes joint reviews of design drawings and site surveys to identify any potential conflicts.
2. OSHA Compliance Review: Conduct a joint review of all designs and specifications to ensure complete compliance with all relevant OSHA regulations related to pipeline construction, platform safety, and fall protection. This will involve developing a detailed checklist addressing OSHA standards.

Complexity Impact Note: The project's moderate complexity arises from the integration of pipeline rerouting with platform upgrades and the need for coordination between disciplines.

REQUEST FOR QUOTATION

Request for Quotation (RFQ): Petro Michaelmouth Safety Compliance

Project Name: Petro Michaelmouth Safety Compliance

Location: Refinery Zone, North Michaelmouth, FM

Industry: Oil & Gas

Date Issued: April 09, 2025

Project Goal: Upgrade existing pipeline infrastructure and processing platform at the North Michaelmouth Refinery to improve safety, efficiency, and increase throughput by 15%.

Scope of Work: Detailed scope is outlined in the attached Appendix A. This includes piping & pipeline engineering (pipeline rerouting, valve replacement, pig launcher/receiver installation) and structural engineering (platform handrail upgrade, support beam reinforcement). Cross-disciplinary tasks include pipeline-platform integration and comprehensive OSHA compliance review.

Qualifications: Minimum 3+ years of experience in Oil & Gas project execution, with a proven track record of regulatory compliance (OSHA).

Deliverables: Detailed technical designs (1-2 pages), material specifications, drawings, calculations, analysis reports, installation plans, and a comprehensive OSHA compliance checklist.

Proposal Requirements:

- * Technical Proposal (1-2 pages outlining design approach, methodology, and compliance strategy)
- * Detailed Cost Breakdown
- * Project Schedule

Evaluation Criteria: Technical Approach (50%), Cost (30%), Experience & Qualifications (20%)

Timeline:

* RFQ Release: April 09, 2025

* Questions Due: May 07, 2025

* Proposals Due: May 14, 2025

* Project Start: May 24, 2025

* Project Duration: 9 months

Contract Type: Fixed Price

Submission: Submit proposals electronically to procurement@oil&gas.com.

Appendix A (attached): Detailed scope of work (as described in the prompt).

CONTACT

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TIMELINE

Include key dates such as submission deadlines, inquiry deadlines, and project start dates.