



PUBLIC WORKS

To: Mayor and Town Council

From: James Rodriguez, Assistant Director of Public Works

Through: Mario Canizares, Town Manager
Chuck Ewing, Assistant Town Manager
Carrie Jones, Director of Public Works

Re: Professional Engineering Services Agreement:
Upper Pressure Plane Low Pressure Maintenance PRV Project
(1501.5-WA) Freese and Nichols, Inc.

Town Council Meeting – July 14, 2026

Strategic Visioning Priority: Provide Excellent Municipal Services

Agenda Item:

Consider and act upon authorizing the Town Manager to execute a Professional Engineering Service Agreement between Freese and Nichols, Inc., and the Town of Prosper, Texas, related to the design of the Upper Pressure Plane Low Pressure Maintenance PRV project, in the amount of \$74,150.

Description of Agenda Item:

This project includes the design of a Pressure Reducing Valve (PRV) station between the Upper Pressure Plane and the Lower Pressure Plane. The proposed PRV station will provide supplemental pressure support during peak demand periods of the existing 42-inch transmission main located between Coit Road and Richland Boulevard. The improvements are intended to help maintain adequate system pressure, ensure compliance with regulatory requirements, and reduce the risk of contamination associated with low-pressure conditions.

The PRV station design will be based on operational data, and pressure observations collected by Town staff. These observations indicate that system pressures have fallen below the minimum acceptable pressure during peak demand conditions. Maintaining adequate pressure is particularly important because the system currently operates under an exception granted by the Texas Commission on Environmental Quality (TCEQ), which requires continued compliance with specified pressure criteria. The proposed improvements will enhance system reliability, support regulatory compliance, and improve overall water distribution performance within the service area.

At the October 24, 2023, Town Council meeting, the Town Council approved a list of qualified engineering firms, which included services for water and wastewater engineering design. Freese and Nichols, Inc. is included on the approved list and has successfully completed the design of both water and wastewater projects for the Town.

Budget Impact:

The cost of the design is \$74,150. A total of \$74,150 is budgeted in the CIP Account No. WA201501.

Legal Obligations and Review:

Terrence Welch of Brown & Hofmeister, L.L.P., has approved the attached documents as to form and legality.

Attached Documents:

1. Professional Engineering Service Agreement
2. Location Map

Town Staff Recommendation:

Town staff recommend that the Town Council authorize the Town Manager to execute a Professional Engineering Service Agreement between Freese and Nichols, Inc., and the Town of Prosper, Texas, related to the design of the Upper Pressure Plane Low Pressure Maintenance PRV project for \$74,150.

Proposed Motion:

I move to authorize the Town Manager to execute a Professional Engineering Service Agreement between Freese and Nichols, Inc., and the Town of Prosper, Texas, related to the design of the Upper Pressure Plane Low Pressure Maintenance PRV project in the amount of \$74,150.