



MEMORANDUM

To: Mayor and City Council

From: James D. Meier, P.E., Assistant Director of Public Works
Mike Garza, P.E., Director of Public Works

Date: August 12, 2025

Reference: Consider approval for the purchase and install three (3) 18" GA Industries model 250DS/625DS AWWA C508 Sewage Surge Check Unit Valves with Felix Construction; to replace existing check valves at the Deforest Lift Station; in the amount of \$182,437.83; as provided for in the Utility Operations FY25 budget; and authorizing the City Manager to sign any necessary documents.

2040: Sustainable Government

Introduction:

The purpose of this agenda item is to consider approval to purchase and install three (3) 18" GA Industries Sewage Surge Check Unit Valves from Felix Construction to replace existing check valves at the Deforest Lift Station in the amount of \$182,437.83.

Background:

Felix Construction has been performing upgrades at various water and wastewater facilities as part of the Sandy Lake Lift Station reconstruction project, which was approved by City Council on October 26, 2021.

During construction work at the Deforest Lift Station in May, one of the check valves was found to be malfunctioning—allowing pumped water to flow back into the wet well. This condition reduces pumping efficiency, increases energy consumption, and places additional strain on the other two pumps. It can also cause reverse rotation damage to the affected pump.

The existing check valves, originally installed during the 2005 Deforest Lift Station improvements, have required ongoing maintenance, and the City has experienced increasing difficulty sourcing repair kits due to the valves' age.

To address this issue, Felix Construction has proposed Change Order #1 to replace all three check valves. Since the contractor is already mobilized and actively working within the City, this provides a cost-effective solution that minimizes additional labor and mobilization costs.

This expenditure falls within the scope of the Deforest Lift Station Rehabilitation project, which is included in the current year's budget.

Benefit to the Community:

To provide Sustainable Government the replacement of the check valves at the Deforest Lift Station will eliminate the additional energy use required and potential pump damage caused by the valve malfunction.

Legal Review:

Standard professional services agreements are periodically reviewed by the City Attorney.

Fiscal Impact:

The fiscal impact of this agenda item is \$182,437.83 as budgeted from the current year Utility Operations annual budget.

Recommendation:

The Public Works Department recommends approval of this purchase and change order request.