



TO: Mayor Chuck Barney
Members of the City Council

FROM: Jason Sorenson

DATE: March 21, 2018

SUBJECT: ODOR CONTROL IMPROVEMENTS (PROJECT NUMBER 4305)

I. RECOMMENDED ACTION

1. Recommend council approve the plans and specifications for the Odor Control Improvements project and authorize a call for bids.

II. DEPARTMENT CONTACT PERSONS

Dan Jonasson, Director of Public Works	857-4140
Jason Sorenson, Assistant Director of Public Works	857-4140

III. DESCRIPTION

A. Background

The Sewer Department operates and maintains about 43 lift stations in and around Minot. As such, odor complaints are an ongoing issue the department works with. Over 75% of the City's wastewater runs through Master Lift Station, and is one such location that regularly receives complaints. In the fall of 2016, Apex completed an odor control study to address the on-going issue at Master Lift. The result of the study indicated a need to reduce hydrogen sulfide concentrations within the sanitary sewer collection system. One of the proposed improvements includes a chemical injection station near Roosevelt Lift Station.

B. Proposed Project

This improvement would consist of designing and constructing a building near Roosevelt Lift Station to house storage tanks and a pumping system to inject chemical to reduce the odors and corrosive effects of hydrogen sulfide gas.

C. Consultant Selection

The City has an existing task order agreement with Apex for general wastewater engineering services. Due to Apex's extensive knowledge of the City's wastewater system they were selected to continue working on this project.

IV. IMPACT:

A. Strategic Impact:

Completion of this project will greatly improve quality of life for some residents that live near this piece of critical City infrastructure as well as reduce the effects that hydrogen sulfide gas is taking on the buildings and sewer infrastructure. Funds have been included in the 2018 budget for the chemical amounts estimated for this ongoing operation.

B. Service/Delivery Impact:

NA

C. Fiscal Impact:

Project Costs

Construction Cost Estimate	\$530,000.00
Engineering Agreement	\$99,995.00
Final Estimated Project Cost	TBD

Project Funding

Funding for this project is coming from 2017 sanitary sewer rehab funds.

V. ALTERNATIVES

N/A

VI. TIME CONSTRAINTS

N/A

VII. LIST OF ATTACHMENTS

N/A