



**TO:** Mayor Tom Ross  
Members of the City Council

**FROM:** Dan Jonasson, Director of Public Works

**DATE:** April 27, 2023

**SUBJECT:** **3673A – ENGINEERING FOR HMGP PROJECT SILL REPAIR**

**I. RECOMMENDED ACTION**

1. Recommend council approve the contract with Houston Eng. For design of sill repair on 16<sup>th</sup> street sw.
2. Authorize the Mayor to sign the contract.

**II. DEPARTMENT CONTACT PERSONS**

Dan Jonasson, Director of Public Works	701-857-4140
Jason Sorenson, Asst. Director of Public Works	701-857-4140

**III. DESCRIPTION**

A. Background

Flood control measures were built around the water treatment plant through a grant fund from FEMA and NDDES in 2015-2017. This consisted of floodwalls, road closure structures, utility relocates and a new concrete street from Burdick to the river on 16<sup>th</sup> street, as well as a new storm water pump station.

B. Proposed Project

The sill or concrete base where the stop log closure sits on, is starting to delaminate and deteriorate, which doesn't provide for a smooth surface for placement of the stop log closures on the street in event of a flood event. Structural engineers have reviewed the surface and there are varying opinions on the reason for the delamination. Excessive expansion of the concrete during hot weather, street panels being tied to the closure sill, limiting movement, or possibly a variation in the concrete. Regardless, as part of the ongoing maintenance need for the massive flood control works, this will not be the last of maintenance and repairs needed. We are proposing to use Houston Engineering, the original design firm for this project to prepare plans for repair for the sill.

C. Consultant Selection

The consultant will be utilized under a master service agreement for flood control work, which was solicited through the RFQ process.

**IV. IMPACT:**

A. Strategic Impact:

Being able to implement flood closure with assurity of having a proper surface for sealing and preventing leakage.

B. Service/Delivery Impact:

Flood fight preparedness

C. Fiscal Impact:

Funds for this are budgeted in the street dept. Levee Maintenance fund 10040000-44509

**V. CITY COUNCIL ASPIRATIONS**

**VI. ALTERNATIVES**

**VII. TIME CONSTRAINTS**

Contracts are needed to complete the design and if closure parts are needed, which may have a long lead time, get ordered for this seasons work.

**VIII. LIST OF ATTACHMENTS**

A. Task order with Houston Engineering for design.