



**City Council  
Agenda Item Summary Report**

Meeting Date: May 19, 2020			
Submitted by: Candy McQuiston, Capital Improvement Program Manager Karl Zook, P.E., City Engineer			
Consent X	Discussion Only	Public Hearing	Action/Discussion
Item Title: Consider approval to allow staff to seek bids for the Manhole Rehabilitation/Reconstruction Services and all related issues.			
Attachments: Location Exhibits			

**Item Summary:**

As part of the FY2020 inflow and infiltration (I&I) maintenance program, manhole inspections of the sanitary sewer collection system were carried out by Public Works. There were eight manholes identified that are requiring repair.

This type of rehabilitation project involves the reconstruction and/or removal of any existing damaged manhole liner, the rehabilitation, and rebuilding the manhole structure, as well as the application of a new manhole corrosion-resistant coating material. The manholes included in this project have been damaged by hydrogen sulfide gas and sulfuric acid, both by-products of sanitary sewer flows. If unchecked or not repaired, this type of damage can allow groundwater to infiltrate the sanitary sewer system which negatively impacts sanitary sewer treatment plant operations and undermines the integrity of the manhole structure. The original lining within these manholes have blistered and the concrete shows various stages of deterioration leaving the structures compromised and exposed to the destructive gasses. The manholes need to be structurally rehabilitated and lined with a product that will provide a corrosion-resistant coating and prevent future manhole failure.

Completing the rehabilitation of the eight sanitary sewer manholes will ensure proper functionality of the adjacent sanitary sewer trunk line infrastructure. This work will also reduce the potential for sanitary sewer overflows, stop infiltration, and inflow of groundwater into the collection system and reduce the risk of emergency repairs.

Approved Budget - \$110,000

Funding Source – This maintenance item is approved in the Public Works Sanitary Sewer Department FY20 Budget.

Staff is requesting City Council approval to advertise for bid proposals for Manhole Rehabilitation/Reconstruction Services.