



AGENDA MEMO

Business of the City Council City of Sweeny, Texas

Meeting Date	06.20.2023	Agenda Item	
Approved by City Manager	Yes	Presenter(s)	Strand Associates, City Engineer
Reviewed by City Attorney	No	Department	CIP, Sewer
Subject	Discussion and possible action on rehabbing sewer on Mac Drive.		
Attachments	1) Sewer Map 2) Email from Strand 3) Anticipated costs for smoke testing		
Financial Information	Expenditure Required:	N/A	
	Amount Budgeted:	N/A	
	Account Number:		
	Additional Appropriation Required:		
	Additional Account Number:		

Executive Summary

City staff have received complaints from residents on Mac Drive concerning sewage backing up from the sewer system. Staff members have discussed this predicament with the city engineer and found there are a few variables attributed to the sewer failure.

The sewer is shallow, and the line has several 90-degree angles. The layout of the line and depth of the sewer is not ideal. In addition, when there is heavy rain, the sewer is observed to back up. This is typically indicative of an inflow and infiltration problem, which means there is additional water intrusion into the system through fractures.

Due to the age of the sewer infrastructure in that area of town I&I is a very likely contributing factor. The cost to upsize the sewer line in that area would be very costly. Smoke testing can identify areas of water intrusion and is a good starting point to determining project scope of repairing the sewer to avoid back-up's on Mac Drive.

Recommended Action

Staff recommends smoke testing the sewer along Mac Drive.