



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: August 3, 2020

Re: Public Hearing: Proposed replacement and rehabilitation of a portion of the storm drainage pipe on Aldeah Avenue south of West Ash Street

Executive Summary

This is the public hearing for the replacement and rehabilitation of a portion of the storm drainage pipe on Aldeah Avenue south of West Ash Street. The project location is shown on the attached Location map. The existing pipe is failing in some locations and causing sinkholes. The resolution estimate for this project is \$225,000 and will be paid from Storm Water Utility funds.

Discussion

As shown on the attached diagram, the project will consist of rehabilitating and replacing a portion of the storm drain pipe from the southeast corner of Aldeah Avenue and West Ash Street intersection to the back yard of 104 Aldeah Avenue. The existing 24-inch vitrified clay pipe (VCP) was installed in the 1920s. When clay pipe starts to deteriorate it cracks and then deforms over time from the forces of seasonal ground movement and root pressure until it falls apart leading to the formation of sinkholes in the surrounding ground.

As shown on the attached diagram, approximately 220 feet of the northernmost section of pipe will be replaced. The remaining approximately 280 feet of pipe will be rehabilitated using a Cured-in-Place pipe (CIPP). Necessary junctions and inlets will be incorporated into the work.

Storm Water Utility staff held an Interested Parties (IP) meeting on August 21, 2019. Staff invited directly affected owners and a neighborhood association representative. Fourteen people attended the meeting and were generally in favor of the project. The resolution estimate for this project is \$225,000 and will be paid from Storm Water Utility funds. This project was identified in the 2015 Stormwater Ballot Initiative.

Fiscal Impact

Short-Term Impact: The resolution estimate is \$225,000 and will be paid from Storm Water Utility funds.

Long-Term Impact: It is expected that this project will have minimal impact on the Storm Water Utility's annual operating cost and possibly reduce time associated with responding to sinkhole complaints.



Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Public Safety, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Livable & Sustainable Communities, Tertiary Impact: Environmental Management

Legislative History

| Date | Action |
|------------|--|
| 07/20/2020 | R89-20 Setting a public hearing: proposed replacement and rehabilitation of a portion of storm drain pipe on Aldeah Avenue, south of Ash Street. |
| 08/21/2019 | IP Meeting |
| 04/07/2015 | Voters approve rate increase for Storm Water Utility. |

Suggested Council Action

Direct staff to proceed with the replacement and rehabilitation of a portion of the storm drainage pipe on Aldeah Avenue south of West Ash Street.