



AGENDA ITEM SUMMARY FORM

MEETING DATE: December 13, 2022

PREPARED BY: Chris Whittaker

AGENDA CONTENT: GLO Funded Sanitary Sewer Rehabilitation Project

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT:

\$1,792,900

FUNDS REQUESTED:

\$1,792,900

FUND:\$1,792,900

EXECUTIVE SUMMARY:

On September 7, 2022, staff was informed by the Houston-Galveston Area Council that the City of Angleton is eligible to apply for CDBG Mitigation funding of \$1,792,900 through the Regional Mitigation Program administered by the Texas General Land Office (GLO) Community Development and Revitalization division. The criterion for an acceptable project is that it be infrastructure focused. Due to an existing agreement for grant administrative services on all Harvey mitigation opportunities, Langford Community Services is the grant administrator for this project for a percentage of the grant.

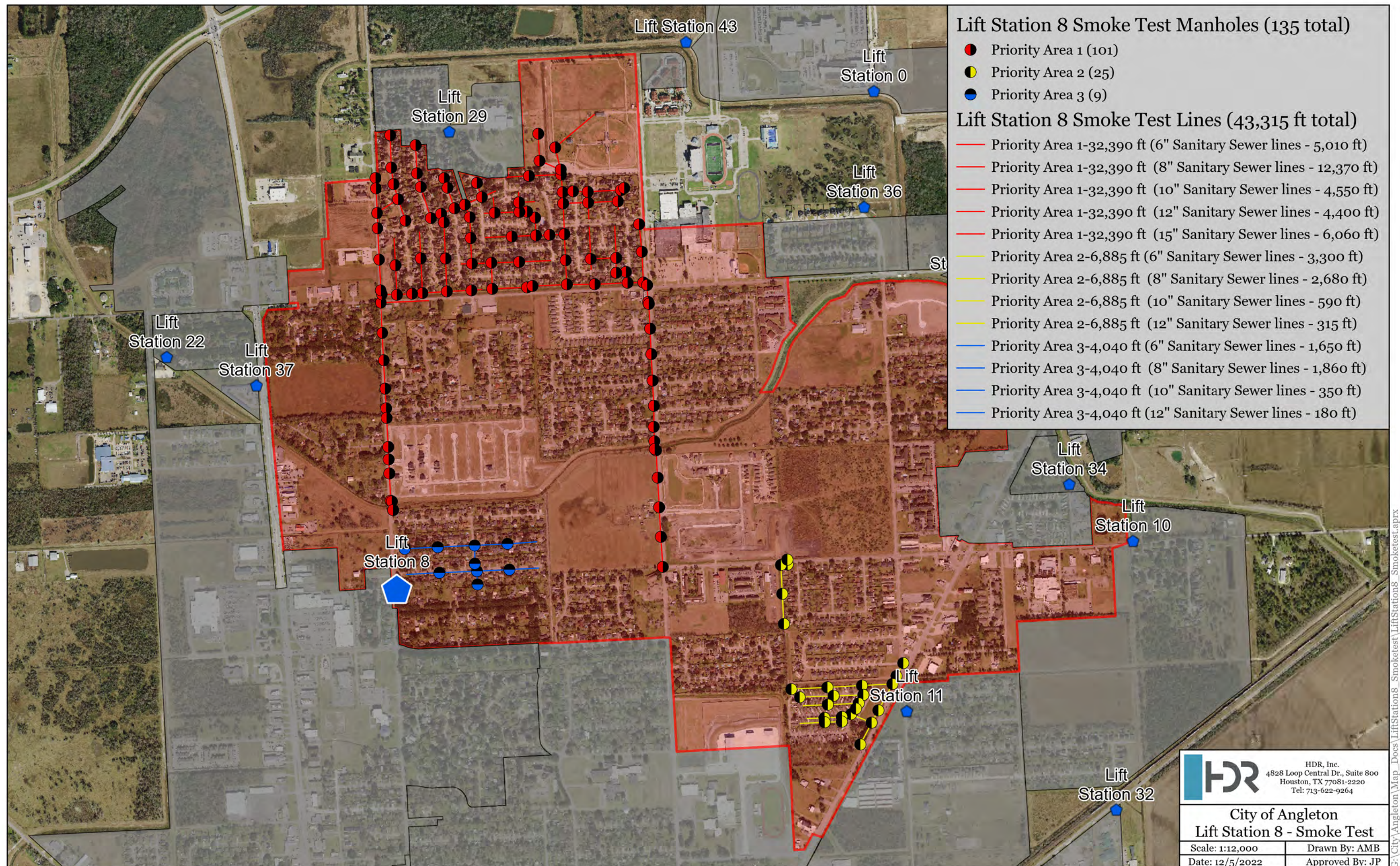
Several meetings have taken place to identify an infrastructure project with the highest need. It has been determined that the Inflow and Infiltration into the City's collection system (sanitary sewer), described below, is both eligible for the full amount of the \$1,792,900 and a top priority. The eligible grant administrative fee is \$143,432.00, planning efforts (smoke testing and manhole inspections) cannot exceed \$89,645.00 (5% of Grant) and the engineering fee cannot exceed \$203,455.00 (15% of grant). Therefore, the available construction funds total \$1,356,370.00. **There is no local match requirement.**

The City has spoken with HDR about performing field investigations for planning purposes on the collection system including smoke testing and manhole inspections to guide them in effectively utilizing the funding and provide the biggest return on its investment. HDR and city staff worked together and identified LS 8 had the highest run time after rain events than any other station in the City. Staff also reviewed upstream stations to see if their runtimes increase as significantly as LS #8 did after storm events (they did not). Therefore, it is believed there is a significant amount of I/I into the City's gravity collection system in the LS #8 service area. It is also the largest collection system in the City.

HDR has worked with staff on identifying areas in the LS #8 service area that has repeat maintenance performed or locations that may have high amounts of I/I into the gravity system. These areas are shown in the attached exhibit. HDR will work with a subcontractor to perform smoke testing (identifying locations of leaks, illegal

connection or missing clean out caps) and manhole inspections (identify conditions of manholes and sewer pipe material and size verification) to these areas. In an effort to test as much of the service area as possible, no report from these efforts will be created from these tests. Only the raw testing data will be provided. The subcontractor will provide raw data from these tests to HDR and we will process this information that will be utilized to create construction plans and contract documents. HDR will work with the City to advertise the bid package and assist the City in providing construction phase services. The size of the package or the exact extent of the rehabilitation project is unknown at this time. It will be determined after the field collection is completed and the limit identified with the available grant funding.

Staff is requesting permission to proceed forward with the grant on the above identified project.



Lift Station 8 Smoke Test Manholes (135 total)

- Priority Area 1 (101)
- Priority Area 2 (25)
- Priority Area 3 (9)

Lift Station 8 Smoke Test Lines (43,315 ft total)

- Priority Area 1-32,390 ft (6" Sanitary Sewer lines - 5,010 ft)
- Priority Area 1-32,390 ft (8" Sanitary Sewer lines - 12,370 ft)
- Priority Area 1-32,390 ft (10" Sanitary Sewer lines - 4,550 ft)
- Priority Area 1-32,390 ft (12" Sanitary Sewer lines - 4,400 ft)
- Priority Area 1-32,390 ft (15" Sanitary Sewer lines - 6,060 ft)
- Priority Area 2-6,885 ft (6" Sanitary Sewer lines - 3,300 ft)
- Priority Area 2-6,885 ft (8" Sanitary Sewer lines - 2,680 ft)
- Priority Area 2-6,885 ft (10" Sanitary Sewer lines - 590 ft)
- Priority Area 2-6,885 ft (12" Sanitary Sewer lines - 315 ft)
- Priority Area 3-4,040 ft (6" Sanitary Sewer lines - 1,650 ft)
- Priority Area 3-4,040 ft (8" Sanitary Sewer lines - 1,860 ft)
- Priority Area 3-4,040 ft (10" Sanitary Sewer lines - 350 ft)
- Priority Area 3-4,040 ft (12" Sanitary Sewer lines - 180 ft)

HDR
HDR, Inc.
4828 Loop Central Dr., Suite 800
Houston, TX 77081-2220
Tel: 713-622-9264

City of Angleton
Lift Station 8 - Smoke Test

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|-----------------|-----------------|
| Scale: 1:12,000 | Drawn By: AMB |
| Date: 12/5/2022 | Approved By: JP |