



CITY OF HOUSTON TEXAS WATER DEVELOPMENT BOARD CWSRF PROJECT NO. 73742 (4235-112)

Name of Project and community: Wastewater Collection System Rehabilitation and Renewal, 2020 - 2022, City of Houston

Name of CWSRF administering agency: Texas Water Development Board

Wholly funded by CWSRF from the EPA and the TWDB

Brief description of project: This project is part of the Neighborhood Sewer Rehabilitation Program and was required to renew and replace various deteriorated neighborhood collection systems throughout the City. Work of the contract included sliplining or pipe bursting approximately 49,320 feet of sanitary sewer ranging from 6 to 18-inches in diameter; rehabilitation by cured-in-place pipe method of 10,250 feet of sanitary sewer ranging in size from 8 to 48-inches in diameter; slurry boring of 900 feet of sanitary sewer ranging in size from 8 to 12-inches in diameter; cleaning and television inspection of 40,850 feet of gravity sanitary sewer and force mains; reconnecting 817 services; making 119 point repairs on gravity sanitary sewers and force mains ranging in size from 6 to 48-inches in diameter; 5,592 feet of additional sewer replacement beyond these point repairs; construction of approximately 50 new manholes; 1,120 vertical feet of manhole rehabilitation; 4,400 square yards of removal and replacement of up to 2 inch hot-mix asphaltic concrete; 1,410 square yards of removal and replacement of 8-inch concrete pavement and 15,300 feet of cut or removal of existing liners from the host pipe; and ancillary work to remove and restore surface features disturbed as a result of the work.

Brief listing of water quality benefits: The renewal and replacement of various deteriorated neighborhood collections systems throughout the City helps to ensure structural integrity, limit loss of capacity, control groundwater contamination, and maintain community well-being.