



STAFF REPORT

July 19, 2023
File Number 0600-10

SUBJECT

APPROVE CHANGE ORDER TO COMPLETE ADDITIONAL WORK FOR THE STORM DRAIN REHABILITATION PROJECT, PHASE III

DEPARTMENT

Development Services

RECOMMENDATION

Request that the City Council adopt Resolution No. 2023-90 authorizing a change order with Sancon Technologies, Inc. in an amount not to exceed \$551,361.23 to add rehabilitation of two 66" storm drain pipelines to the Storm Drain Rehabilitation, Phase III project ("Project").

Staff Recommendation: Approval (Development Services Department, Andrew Firestine, Director and Julie Procopio, City Engineer)

Presenter: Jonathan Schauble, Principal Civil Engineer

FISCAL ANALYSIS

There are adequate funds in the Storm Drain Repair and Improvements Project budget to pay for the original construction project and repair two parallel 66-inch storm drains for a negotiated price of \$551,361.23.

PREVIOUS ACTION

On March 8, 2023, The City Council adopted Resolution No. 2023-22, authorizing the award of the Storm Drain Rehabilitation Project, Phase III, to Sancon Technologies, Inc. ("Contractor") in the amount of \$906,142.

BACKGROUND

In May 2023, property managers for the Reidy Creek Apartments contacted the City with concerns about potential settlement in the vicinity of a City storm drain easement. After televising the pipelines, it was determined that two City storm drain facilities (Facility #18129 and #18129A) are in need of immediate repair. The facilities are two 66-inch diameter bituminous coated corrugated metal storm drain pipelines which run parallel to each other and perpendicular to Morning View Drive, near the intersection of Morning View Drive and W. El Norte Parkway. The two storm drains are contained within a City easement



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that runs through the Reidy Creek Apartment Homes located at 1345 Morning View Drive. The total length of each pipe is approximately 188 feet.

These two storm drains were inspected and assessed as part of the City's Corrugated Metal Pipe Storm Drain Assessment Program performed in 2017/2018 by Brown and Caldwell. Facility #18129 received a Pipeline Assessment Certification Program ("PACP") Quick Score of 423F and Facility #18129A received a PACP Quick Score of 413E, these scores were used as input in developing the grade for each facility and are defined in the table below:

Facility ID#	Highest Severity Grade Along Pipe	Total Number of Highest Severity Grades	Second Highest Severity Grade Along Pipe	Total Number of Second Highest Severity Grades
18129	4	2	3	F=6
18129A	4	1	3	E=5

Both facilities were rated as Grade 4 High Priority, which is defined as a storm drain with severe defects that will become Grade 5. A Grade 5 rating is considered the highest priority rating. At the time of the inspection, it was recommended that the inverts of each pipe be paved in order to preserve and protect the pipelines within five years. Based on recent video footage, photographs, and field observations performed by City staff, the two pipes have continued to deteriorate since the original assessment performed by Brown and Caldwell in 2017/2018. Included in these worsened conditions is a partial collapse in each of the two pipes. Based on this updated information, each pipe would now receive a Grade 5 rating and requires full restoration.

As discussed in the March 22, 2023 Staff Report, rehabilitation of Grade 5 Highest Priority pipelines has been prioritized. However, the available budget is not adequate to make repairs along the timelines recommended in the 2017/2018 Brown and Caldwell Assessment.

Completed/Budgeted Pipeline Repair

Project Phase	Timing	# of Pipes	Total Length	Estimated Cost
Phase 1	Completed FY 19/20	18	2,294	\$ 839,828.95
Phase 2	Completed FY 20/21	21	2,929	\$ 471,772.00
Phase 3	Current FY 22/23	18	3,329	\$ 906,142.00



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Remaining Pipeline Repair Needs

Condition Rating	Recommended Timing to Repair	# of Pipes	Approximate Total Length	Estimated Cost
5 - Highest Priority	Within 2 years	106	4057	\$ 7,795,747.00
4 - High Priority	Within 5 Years	90	10,504	\$ 9,057,721.00
3 - Low Priority	Rehab within 5-10 Years	356	47,077	\$ 32,992,064.00
2 - Lowest Priority	10 years or More	50	5,278	\$ 31,880.00
1 - Lowest Priority	-	84	5,108	n/a
0 - Unable to inspect	n/a	167		TBD
Est. Remaining Costs				\$ 49,877,412.00

City staff received multiple cost proposals to perform the required rehabilitation on the two storm drain pipes. Sancon submitted the best price to complete the repairs. If this change order is approved, the Contractor will prioritize this repair and complete the work prior to the next rainy season thereby minimizing the risks associated with additional deterioration.

RESOLUTIONS

- a. Resolution No. 2023-90