

AGENDA

**ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT
Wednesday, December 1, 2021 – 9:00 a.m.
Via Teleconference**

Pursuant to the State of California Executive Order N-29-20, and in the interest of public health, the District is temporarily taking actions to mitigate the COVID-19 pandemic by holding meetings by teleconference. The general public may not attend this meeting at the District's office due to social distancing requirements.

Members of the public attending via teleconference will be provided with an opportunity to comment on each agenda item prior to Committee discussion.

To join this meeting via Teleconference, please dial: 1-669-900-6833

Meeting ID: 811 5144 3503

Password: 058188

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- 1. Call to Order**
 - 2. Roll Call**
 - 3. Public Comment**
 - 4. New Business**
 - A. Authorize the General Manager to execute an Agreement with Burtech Pipeline, Incorporated for construction services to complete the Fiscal Year 2022 Gravity Sewer Repairs Project in an amount not to exceed \$268,000 as the lowest responsive and responsible bidder. (Pages 2 - 6)
 - 5. Information Items**
 - A. Development Projects Summary (Page 7)
 - B. Encinitas Estates Pump Station Replacement Project Update (verbal)
 - 6. Directors' Comments**
 - 7. General Manager's Comments**
 - 8. Adjournment**

MEMORANDUM

Ref: 22-7799

DATE: November 23, 2021
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager [Signature] for PJB
SUBJECT: Award of the District's Fiscal Year 2022 Gravity Sewer Repairs Project Construction Contract

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

- 1. Authorize the General Manager to execute an Agreement with Burtech Pipeline, Incorporated for construction services to complete the Fiscal Year 2022 Gravity Sewer Repairs Project in an amount not to exceed \$268,000 as the lowest responsive and responsible bidder.
2. Discuss and take other action as appropriate.

BACKGROUND:

Tactical Goal: Infrastructure and Technology / FY2022 Gravity Pipeline Rehabilitation

In July 2021 staff executed Task Order No. 43 with Infrastructure Engineering Corporation (IEC) to design the Fiscal Year 2022 Gravity Sewer Repairs Project (FY2022 Project). The goal of the FY2022 Project is to repair or replace pipelines, manholes and cleanouts that require the open trench method of construction. In 2018, the District decided to separate projects that require construction using Cured-In-Place Pipe (CIPP) / Cured-In-Place Manhole (CIPM) lining from the open trench method due to high bids received on projects that included a combination of both types of work. As a result, staff has implemented a system of alternating Fiscal Year projects between CIPP and open trench methods of construction.

Staff uses a Repair Priority List (RPL), populated and prioritized with results of Closed Circuit Television (CCTV) inspections, to maintain a priority listing of gravity pipeline and manhole defects requiring repair or rehabilitation. The FY2022 Project will consist of open trench construction to correct eight (8) sewer infrastructure defects that are on the RPL. Out of the eight (8) defects to be repaired; five (5) will include the installation of a new sewer manhole, one (1) requires a spot repair, and two (2) inactive sewer line segments that require abandonment.

DISCUSSION:

IEC completed project design in September 2021. The project was advertised for bids on October 4th, 2021. Bids were due on November 9th, 2021. Four (4) bids were received as follows:

Table with 2 columns: Construction Firm and Bid Submitted. Rows include Burtech Pipeline, Incorporated (\$268,000), Blue Pacific Engineering & Construction (\$356,000), Vet Builders Incorporated (\$435,496), and Piperin Corporation (\$467,000).

The bids were reviewed by Rob Weber and Sheila McAtee at IEC. As a result of their evaluation, IEC determined Burtech to be responsive to the bid requirements and recommended that Burtech be awarded the contract as the lowest responsive and responsible bidder. The bid review memorandum is attached

for your review. Burtech's bid of \$268,000 is \$66K or 19.8% less than the engineer's opinion of probable cost of \$334K.

It was noted that there is a significant variance in the bids received. Burtech has prior and recent experience with the District and has completed multiple projects, such as the B1/B2 Force Main Replacement, 2017 Gravity Pipeline Rehabilitation and La Costa Gravity Sewer Alteration, and 2020 Gravity Pipeline Rehabilitation projects. This experience may create a lower risk to Burtech, resulting in a lower bid. The bids submitted by Blue Pacific and Vet Builders are approximately 33% and 63%, respectively, higher than Burtech's bid. Based on the completed projects submitted as references with their bids, Blue Pacific and Vet Builders have minimal experience in open trench pipeline construction. That inexperience may be reflected in their bid price. In the past, Piperin has completed projects for the District. However, their recent quotes and bids have been high.

Therefore, staff concurs with IEC's recommendation and requests that the Board of Directors award the contract to Burtech Pipeline, Incorporated as the lowest responsive and responsible bidder in an amount not to exceed \$268,000.

FISCAL IMPACT:

There is sufficient appropriation in the FY22 Budget to cover the construction costs of the project.

ier:PJB

Attachment

BID REVIEW MEMORANDUM

Date: November 16, 2021
Subject: **Fiscal Year 2022 Gravity Sewer Repairs Project**
Prepared By: Sheila McAtee, E.I.T.
Reviewed By: Rob Weber, P.E., Jamie Fagnant, P.E.

PURPOSE

This memorandum provides a summary of IEC's evaluation of bid results and the responsiveness of the submitted bids for the subject project.

BID RESULTS

Four bids were received and opened on November 9th, 2021. The bids are summarized on Table 1-Bid Summary (attached). Characteristics of the bids are as follows:

Apparent Low Bid:	\$268,000
Second Lowest Bid:	\$356,000
High Bid:	\$467,000
Engineer's Opinion of Probable Construction Cost:	\$334,000

Burtech Pipeline, Inc (Burtech) submitted the lowest bid at \$268,000, which is \$66,000 less than the Engineer's Opinion of Probable Construction Cost. IEC has determined Burtech to be responsive to the bid requirements and recommends that the District award the project to Burtech. The following reviews have been completed.

REVIEW OF LOWEST BIDDER

Contractor's License: The Contractor holds the required Class A License (No. 718202). The license is current and active.

Bid Bond: A bid bond in the amount of ten percent (10%) of the bid amount was submitted with North American Specialty Insurance Company as surety.

Signatures: President and CEO of Burtech Pipeline, Inc, Dominic J Burtech, signed the Closing Statement, Bidder's Bond, and Non-Collusion Affidavit.

Addendum Acknowledgement: Burtech included a signed Addendum No. 1 document in the bid package.

Experience Requirements – PVC Gravity Sewer Pipe Installation: The bid documents require the Contractor to submit three project references, completed in the previous five (5) years, where the Contractor was required to install at least 500 linear feet of PVC sewer pipe with a minimum diameter of 8 inches. Burtech submitted six (6) project examples in the required format that show a range of PVC pipe installation with lengths ranging from 800-12,000LF and sizes ranging from 8-24 inches. IEC concludes that Burtech meets and exceeds the experience requirements of PVC sewer pipe installation.



Experience Requirements – Epoxy Manhole Lining: The bid documents require the Contractor to submit three (3) project references, where the Contractor was required to install epoxy lining on a at least 10 manholes in each project. Of the six (6) project references submitted, three (3) included the required manhole lining experience. IEC concludes that Burtech meets the experience requirements of epoxy manhole lining.

Experience Requirements – Concrete Manhole Installation: The bid documents require the Contractor to submit three (3) project references, where the Contractor was required to install at least 5 concrete manholes in each project. Of the six (6) references submitted, four (4) include installation of concrete manholes, numbers ranging from 13 to 65 per project. IEC concludes that Burtech meets the experience requirements of concrete manhole installation.

References: IEC has received several good reviews from Burtech while completing bid reviews for recent projects for the District. To add to this, IEC called one of the references provided in the bid documents. The reference provided gave overall good reviews of Burtech, stating they did quality work, and were tough but fair. They had no claims, but did have multiple change orders with Burtech, but all were justified.

Registration with the Department of Industrial Relations (DIR):

As of 03/01/2015 contractors and their subcontractors are required to be registered with the DIR prior to bidding a public works project. IEC confirmed that both Burtech, and their listed subcontractors, National Coating & Lining Company, are registered with the DIR.

Contractor Legal Name	Registration Number	Registration Date	Expiration Date
Burtech Pipeline, Inc	1000006324	07/01/2019	06/30/2022
National Coating & Lining Co.	1000013795	07/01/2021	06/30/2022

Source: <https://www.dir.ca.gov/public-works/Contractors.html>

Bid Item Review: In reviewing Burtech’s bid items, IEC noticed that Burtech had noticeably lower bids on Bid Items 7, 8 and 9. Items 7 and 8 had comparable bid amounts by the next lowest bidder. Item 9 had high variation amongst all bidders, with bids ranging from \$20,000 to \$45,000. The high variation in bid amounts for this item is probably due to anticipated private property replace-in-place improvements that will be determined in the field. IEC doesn’t feel Burtech’s bid amounts are unreasonable, and has no concern that they will not be able to complete the work for the bid they put in.

Claims Filed: Burtech has no claims filed in the last five years against them.

RECOMMENDATION

IEC has no concerns regarding Burtech’s ability to complete the work and recommends award of the contract to Burtech based on their knowledge, experience record and responsiveness to the bidding requirements.

Attachments:

Table 1 - Bid Summary

**Leucadia Wastewater District
FY2022 Gravity Sewer Repairs Project
Table 1 - Bid Summary**

Bid Item	Qty	Unit	Article	Engineer's Estimate	Burtech	Blue Pacific	Vet Builders Inc	Piperin
1	1	LS	Mobilization, Bonds, Permits, Cleanup and Demobilization	\$ 14,283	\$ 13,400	\$ 33,000	\$ 19,788	\$ 25,000
2	1	LS	Sheeting, Shoring and Bracing	\$ 9,200	\$ 8,000	\$ 13,000	\$ 10,098	\$ 20,000
3	1	LS	Replace Cleanout with New 4' Manhole (Diamond Head Rd)	\$ 74,750	\$ 70,000	\$ 75,000	\$ 103,983	\$ 75,000
4	1	LS	Replace Cleanout with new 4' Manhole (Oakbranch Dr)	\$ 28,750	\$ 28,000	\$ 37,000	\$ 44,759	\$ 55,000
5	1	LS	Replace Cleanout with new 4' Manhole (Redbarn Rd)	\$ 34,500	\$ 36,000	\$ 58,000	\$ 52,559	\$ 80,000
6	1	LS	Spot Repair (Overland Rd)	\$ 40,250	\$ 33,000	\$ 23,000	\$ 54,935	\$ 35,000
7	1	LS	Replace Stubout with New 5' Manhole (Union St Easement)	\$ 57,500	\$ 32,600	\$ 36,000	\$ 57,695	\$ 75,000
8	1	LS	Replace Cleanout/Dead End With New 4' Manhole (Hygeia Ave)	\$ 40,250	\$ 27,000	\$ 36,000	\$ 52,919	\$ 65,000
9	1	LS	Abandon Sewer line and connecting manholes (Agua Dulce & Esfera)	\$ 34,500	\$ 20,000	\$ 45,000	\$ 38,760	\$ 37,000

Total	\$333,983	\$268,000	\$356,000	\$435,496	\$467,000
Check Total (Bids)		\$268,000	\$356,000	\$435,496	\$467,000
Difference from Engineers Estimate		(\$65,983)	\$22,017	\$101,513	\$133,017

New projects this week: 0
 Total active projects: 18

LEUCADIA WASTEWATER DISTRICT			
Development Services			
Nov-2021			
District Location Code	Project Name	Project Description	Status
3252-0929	CASCADA VERDE	Development with Sewer Connection	In-Review. Waiting on final plan submittal.
3252-0943	LEUCADIA STREETScape	Streetscape Plan Check	Phase 1 approved and under inspection. Further phases in review.
3252-0996	ENCINITAS BEACH HOTEL	Development with Sewer Connection	Lateral connections complete. Coordinating inspection closeout.
3252-1006	Jason Street Storm Drain	Utility Conflict	Waiting on mylars. Project on hold pending funding.
3252-1015	Orpheus Avenue Drainage Improvements	Utility Conflict	In Review. Provided PC1 and now waiting on City of Encinitas.
3252-1032	Weston Annexation	Annexation/Subdivision with Sewer Connection	In Review. Waiting on plan submittal.
3252-1033	1528 N. Coast Highway	Development with Sewer Connection	Plans approved. Inspection ongoing.
3252-1058	El Camino Real Building	Development with Sewer Connection	Plans approved. Construction start (lateral inspection) pending.
3252-1074	City of Encinitas-Morning Sun & Woodside Lane	City CIP Project	Plans signed. Construction/inspection pending.
3252-1079	City of Encinitas - Leucadia Blvd & Hygeia Roundabout	Public Street Improvement	Plans signed. Inspection pending.
3252-1108	Segovia Way Pavement Project	City CIP Project	In-review.
3252-1109	Lagasse Annexation - 395 Sunset Drive	Annexation with Public Sewer Improvement	Plans signed. Inspection pending.
3252-1111	Marea Village 1900 & 1950 N Coast Hwy 101	Development with Sewer Connection.	Preliminary sewer study approved. Waiting on plan submittal.
3252-1112	696 N. Coast Highway 101	Building Renovation with Existing Lateral.	Plans signed. Cleanout inspection pending.
3252-1114	1143 Eolus Avenue Public Sewer Improvement Plan	Public Sewer Improvement	In-review.
3252-1115	555 & 571 North Vulcan	Public Sewer Improvement	In-review.
3252-1132	Jay Bird's - 1935 Calle Barcelona #172	Tenant Improvement	In-review. BMP Agreement signed.
3252-1135	Woodside Development - La Costa Avenue	Development with Sewer Connection	Sewer stud in-review