

**AGENDA**

**ENGINEERING COMMITTEE MEETING  
LEUCADIA WASTEWATER DISTRICT**  
Wednesday, February 3, 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: 834 2231 4526**

**Password: 056296**

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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 Nu Line Technologies, LLC for construction services to complete the Fiscal Year 2021 Cured-in-Place Pipe Lining Project in an amount not to exceed \$342,806.  
(Pages 3 - 7)

B. Recommendation 1: Authorize the General Manager to execute a Purchase Agreement with Plumber's Depot for the purchase of a new Easement Machine with a trailer in an amount not to exceed \$53,034.55. (Pages 8 - 9)

Recommendation 2: Authorize a transfer of \$54,000 in capital funds to from the Capital Program Orchard Wood Road Sewer Rehabilitation account, 50-51-0365-6499, to the Capital Acquisitions Sewer Maintenance Equipment account, 50-99-0000-6350.

**5. Information Items**

A. Development Projects Summary (Page 10)

B. Leucadia Pump Station Rehabilitation Project Update (verbal)

C. FY20 Gravity Sewer Repair / Quebrada Realignment Project Update (verbal)

6. **Directors' Comments**
7. **General Manager's Comments**
8. **Adjournment**

MEMORANDUM

Ref: 21-7494

DATE: January 28, 2021  
 TO: Engineering Committee  
 FROM: Paul J. Bushee, General Manager   
 SUBJECT: Award of the District's Fiscal Year 2021 Cured-in-Place Pipe Lining 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 Nu Line Technologies, LLC for construction services to complete the Fiscal Year 2021 Cured-in-Place Pipe Lining Project in an amount not to exceed \$342,806.
2. Discuss and take other action as appropriate.

**BACKGROUND:**

**Tactical Goal: Infrastructure and Technology / FY2021 Gravity Pipeline Rehabilitation**

In August 2020 staff executed a Task Order with Infrastructure Engineering Corporation (IEC) to design the Fiscal Year 2021 (FY21) Cured-In-Place Pipe (CIPP) Lining Project. The goal of the project is to repair gravity pipelines and manholes with a defect rating of 3 on the District's Repair Priority List (RPL). The RPL is populated and maintained by Field Services Staff and is a result of Closed Circuit Television (CCTV) inspections of the collection system. This project focuses on the CIPP lining method of repair because in 2018 the District decided to separate projects that require the CIPP approach from the open trench approach due to high bids received on projects that included a combination of both repair methods.

The FY21 CIPP Lining Project consists of lining twenty-eight (28) gravity pipeline sections, rehabilitating four (4) lateral connections with top hat liners, and one (1) cured-in-place manhole lining (CIPML) of a manhole.

**DISCUSSION:**

IEC completed project design in November 2020. The project was advertised for bids on December 9, 2020. Bids were due on January 12, 2021. One (1) bid was received as follows:

<u>Construction Firm</u>	<u>Bid Submitted</u>
Nu Line Technologies, LLC (Nu Line)	\$342,806

The bid was reviewed by Rob Weber and Sheila McAtee at IEC. The required minimum experience was three (3) projects of the same complexity in the past five (5) years that consisted of the installation of at least 300 linear feet of CIPP lining into an 8 inch or greater diameter pipe and projects that involved CIPML. Nu Line submitted three (3) projects that satisfied the minimum experience requirements. The referenced projects were District projects including the 2018 Gravity Pipeline CIPP Rehabilitation Project, the 2016 Gravity Pipeline Rehabilitation Project, and the 2015 Gravity Pipeline Rehabilitation

Project (Nu Line was sub-contractor to Burtech Pipeline). In addition to the three referenced projects, Nu Line submitted a list of over 100 additional projects dating from 2014 to present.

As a result of their evaluation, IEC determined Nu Line to be responsive to the bid requirements and recommended that Nu Line be awarded the contract as the lowest responsive and responsible bidder, see attached letter. Nu Line's bid of \$342,806 is \$197K or 36% less than the engineer's opinion of probable cost of \$540K. Furthermore, District staff had positive project experiences with Nu Line on the three referenced projects.

Therefore, staff concurs with IEC's recommendation and requests that the Board of Directors award the contract to Nu Line Technologies LLC as the lowest responsive and responsible bidder in an amount not to exceed \$342,806.

**FISCAL IMPACT:**

There is sufficient appropriation in the FY21 Budget to cover the construction costs of the project.

ier:PJB

Attachments



***BID REVIEW MEMORANDUM***

Date: JANUARY 21, 2021  
Subject: **Fiscal Year 2021 Cured-In-Place Pipe Lining Project**  
Prepared By: Sheila McAtee, E.I.T.  
Reviewed By: Rob Weber, P.E.

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**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**

One bid was received and opened on Jan 12th, 2021. The bids are summarized on Table 1 - Bid Summary (see attached) and characteristics of the bids are as follows:

Apparent Low/Only Bid:	\$342,806
Engineer's Opinion of Probable Construction Cost:	\$539,950

Nu Line Technologies, LLC (NuLine) submitted the only bid at \$342,806.

**REVIEW OF APPARENT SECOND LOWEST BIDDER**

NuLine Technologies, based in Encinitas, California, submitted the lowest and only bid. IEC has reviewed NuLine's bid, and recommends the District award the project to NuLine for the following reasons:

**Contractor's License:** The Contractor holds the required Class A License (No. 997520). 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:** Partner of NuLine Technologies, LLC, Dominic J Burtech, signed the Closing Statement, Bidder's Bond, and Non-Collusion Affidavit.

**Addendum Acknowledgement:** NuLine failed to include a signed Addendum No. 1 document in the bid package. However, NuLine subsequently acknowledged Addendum No 1 via email on Jan 13<sup>th</sup>, 2021 with no change to their bid.

**Worker's Compensation Insurance:** Policy is in effect through 10/1/2021. The most recent workers' compensation experience modification factor for NuLine is 68%

**Experience Requirements – CIPP Lining:** The bid documents require the Contractor to submit three project references, completed in the previous five years, where the Contractor was required to install at least 300 linear feet of CIPP lining into pipe with a minimum diameter of 8 inches. NuLine submitted three project examples in the required format. All three are projects referenced Leucadia Wastewater District in previous CIPP lining projects





(2018,2016,2015). In addition to the three examples in required format, NuLine submitted a list of over 100 additional projects dated from 2014 to present. IEC reviewed these project references, finding that NuLine meets and exceeds the experience requirements of CIPP Lining.

**Experience Requirements – CIPM Lining:** The bid documents require the Contractor to submit five project references, completed in the previous five years, where the Contractor was required to rehabilitate manholes using CIPML. NuLine is using Ayala Engineering for installation of the CIPML. Ayala Engineering submitted 9 project references that demonstrated compliance with CIPML experience requirements. NuLine submitted two project references in the required format that demonstrate successful installation of CIPML. IEC considers this experience requirement to be met.

**References:** Due to the Districts familiarity with NuLine, IEC contacted one reference listed to perform an assessment of the Contractor’s prior work. NuLine was recommended as a good contractor with one change order that was mutually agreed upon.

**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 NuLine, and their listed subcontractors, Ayala Engineering and CB Pipeline, are registered with the DIR.

Contractor Legal Name	Registration Number	Registration Date	Expiration Date
Nu Line Technologies, LLC.	1000003808	07/01/2020	06/30/2022
Ayala Engineering	1000005012	07/01/2020	06/30/2022
DB Pipeline, Inc	1000062288	07/02/2019	06/30/2022

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

**Bid Item Review:** In reviewing NuLine’s bid items, specifically price per linear foot, IEC noticed that NuLine had very consistent price’s per linear foot ranging from \$45.76 to \$48.19. Higher price per linear foot was noted for Bid Item 19, which includes top hats. IEC found no discrepancies in NuLine’s bid items.

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

**RECOMMENDATION**

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

Attachments  
 Table 1 – Bid Summary

**Leucadia Wastewater District  
FY2021 Cured-In-Place Pipe Lining Project  
Bid Summary**

Bid Item	Quantity	Unit	Article	Engineer's Estimate	NuLine Technologies
1	1	LS	Mobilization, Bonds, Permits, Cleanup and Demobilization	\$26,000	\$10,000
2	1	LS	Temporary Erosion Control / Storm water Pollution Prevention	\$10,000	\$1,000
3	1	LS	Cured-in-Place Pipe Lining	\$44,219	\$22,595
4	1	LS	Cured-in-Place Pipe Lining	\$19,265	\$11,750
5	1	LS	Cured-in-Place Pipe Lining	\$18,858	\$12,820
6	1	LS	Cured-in-Place Pipe Lining	\$17,362	\$11,675
7	1	LS	Cured-in-Place Manhole Lining	\$12,600	\$14,250
8	1	LS	Cured-in-Place Pipe Lining	\$12,934	\$6,475
9	1	LS	Cured-in-Place Pipe Lining	\$19,828	\$12,145
10	1	LS	Cured-in-Place Pipe Lining	\$26,723	\$16,865
11	1	LS	Cured-in-Place Pipe Lining	\$31,542	\$17,825
12	1	LS	Cured-in-Place Pipe Lining	\$13,794	\$7,275
13	1	LS	Cured-in-Place Pipe Lining	\$25,767	\$15,523
14	1	LS	Cured-in-Place Pipe Lining	\$23,048	\$16,020
15	1	LS	Cured-in-Place Pipe Lining	\$20,696	\$10,525
16	1	LS	Cured-in-Place Pipe Lining	\$19,157	\$13,730
17	1	LS	Cured-in-Place Pipe Lining	\$13,531	\$9,205
18	1	LS	Cured-in-Place Pipe Lining	\$11,377	\$7,468
19	1	LS	Cured-in-Place Pipe Lining	\$8,085	\$10,575
20	1	LS	Cured-in-Place Pipe Lining	\$21,551	\$14,875
21	1	LS	Cured-in-Place Pipe Lining	\$27,417	\$19,365
22	1	LS	Cured-in-Place Pipe Lining	\$23,048	\$16,025
23	1	LS	Cured-in-Place Pipe Lining	\$93,148	\$64,820

<b>Total</b>	<b>\$539,950</b>	<b>\$342,806</b>
<b>Check Total (Bids)</b>		<b>\$342,806</b>
<b>Difference</b>		<b>\$0</b>

7

## MEMORANDUM

**DATE:** January 28, 2021  
**TO:** Engineering Committee  
**FROM:** Paul J. Bushee, General Manager   
**SUBJECT:** Award of Purchase Contract to Procure an Easement Machine and Authorize Transfer of Capital Funds

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**RECOMMENDATION:**

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

1. Authorize the General Manager to execute a Purchase Agreement with Plumber's Depot for the purchase of a new Easement Machine with a trailer in an amount not to exceed \$53,034.55.
2. Authorize a transfer of \$54,000 in capital funds to from the Capital Program Orchard Wood Road Sewer Rehabilitation account, 50-51-0365-6499, to the Capital Acquisitions Sewer Maintenance Equipment account, 50-99-0000-6350.
3. Discuss and take other action as appropriate.

**BACKGROUND:****Tactical Goal: Infrastructure and Technology / Orchard Wood Road Pipeline Replacement**

In January 2021, the Board of Directors was updated on the Orchard Wood Road Sewer Rehabilitation Project. As you may recall, the project was cancelled due to the high estimated construction costs. As a result of project cancellation, Staff will continue to maintain the sagged section of sewer line as a Special Maintenance Activity (SMA) on a 3-month cleaning cycle. The line is in an easement located in the sensitive environmental area of Encinitas Creek. Cleaning of this line is a difficult and arduous task. Since the easement cannot be accessed by a Vactor Combination Truck, a four (4) person crew is required to manually carry the Vactor's hydro-cleaning hose over land to the appropriate manhole.

To help crews safely and efficiently transport the hydro-cleaning hose over land, an Easement Machine is available. The Easement Machine carries and moves the hose over terrain to the desired location. As a result, manpower is reduced and personnel safety is enhanced. Additionally, the Easement Machine can be utilized at other easement areas, such as the La Costa Omni Golf Course. For use on the golf course, an Easement Machine that operates with wheels rather than tracks is required to minimize potential damage to sensitive turf areas on the golf course.

**DISCUSSION:**

Staff requested four equipment suppliers to provide a quote for an Easement Machine that operates with wheels and a trailer for equipment transportation. The District received five quotes from the four suppliers as follows:



<u>Company</u>	<u>Quote</u>
Plumber's Depot	\$53,034.55
West Coast Safety Supply Inc.	\$54,805.69
Jack Doheny Company	\$55,081.95
Haaker Equipment Company	\$76,987.38
Haaker Equipment Company	\$91,640.30

All the quotes, except Plumber's Depot, were for Easement Machines that operate with tracks rather than wheels. Therefore, the lowest and only quote that satisfies District specifications is Plumber's Depot in an amount of \$53,034.55 including transportation trailer, sales tax, freight, and delivery.

As a result, staff recommends that the Easement Machine be purchased from Plumber's Depot at a cost of \$53,034.55.

**FISCAL IMPACT:**

The procurement of the Easement Machine was not included in the Fiscal Year 2021 Budget. Therefore, staff request Board approval to transfer \$54,000 from the cancelled Orchard Wood Road Sewer Rehabilitation Project account, 50-51-0365-6499 (\$436K budgeted), to the Capital Acquisitions Sewer Maintenance Equipment account, 50-99-0000-6350, to fund this procurement.

mg:PJB

New projects this week: 0  
 Total active projects: 14

**LEUCADIA WASTEWATER DISTRICT**  
**Development Services Greater than 5 EDUs**  
**Jan-2021**

District Location Code	Project Name	Project Description	Status	Weekly Summary of Work	Weekly Summary of Work	Weekly Summary of Work	Weekly Summary of Work
				8-Jan	15-Jan	22-Jan	29-Jan
3252-0929	CASCADA VERDE	Development with Sewer Connection	In-Review.	-	-	-	-
3252-0941	865 Orpheus Ave	Annexation and Development with Sewer Connection	Plans signed, Inspection ongoing.	-	-	-	-
3252-0996	ENCINITAS BEACH HOTEL	Development with Sewer Connection	Lateral connections complete. Storm drain inspection ongoing.	-	-	-	-
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 PCI 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. Construction start (lateral inspection) pending. Approximately September 2020.	-	-	-	-
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 & Hygela Roundabout	Public Street Improvement	In-Review	-	-	-	-
3252-1104	City of Encinitas - N Coast Highway 101 Streetscape Pedestrian Crossing	City CIP Project	In-review.	-	-	-	-
3252-1108	Segovia Way Pavement Project	City CIP Project	In-review.	-	-	-	-
3252-1110	Shake Shack	Tenant Improvement	In-review.	Provided PCI.	-	-	-
3252-1111	Marea Village 1900 & 1950 N Coast Hwy 101	Development with Sewer Connection.	In-review.	Received sewer study.	Received TOA . Provided comment son sewer study.	-	-

10