



**NORTH TAHOE
PUBLIC UTILITY DISTRICT**

DATE: April 9, 2024

ITEM: F-3

FROM: Planning and Engineering Department

SUBJECT: Award a Construction Contract and Authorize the General Manager to Execute an Agreement and Purchase Order with West Coast Paving, Inc. for the Replacement of Asphalt Concrete in Various Locations

RECOMMENDATION:

1. Award a construction contract and authorize the General Manager to execute the agreement with West Coast Paving, Inc. for the Replacement of Asphalt Concrete in Various Locations; and
2. Authorize the General Manager to execute a new purchase order with West Coast Paving Inc. in the amount of \$25,000 for expenses through June 30, 2024.

DISCUSSION:

This project consists of replacing asphalt concrete (AC) in various locations, also referred to as patch paving, for pavement restoration following the repair of the District's sewer and water facilities. The County requires this work as part of our encroachment permit for water and sewer mains in the County right-of-way. The term of the contract, if awarded by the Board of Directors, is from May 1 to December 31, 2024. The contract may also be used for other miscellaneous patch paving projects.

This project was publicly advertised for bidding, and two responsive bids were received. The lowest responsive and responsible bidder is West Coast Paving Inc. The total unit price is based on the sum of one square foot unit price for a 3-inch AC patch, two square feet of additional 1-in AC thicknesses to patch, and one square foot of fog seal in the County right of way.

The summary of the bids is provided in the following table:

Item #	Description	Unit	Contractor Name	
			West Coast Paving, Inc.	F. W. Carson Co.
1	3-inch AC Patch	S.F.	\$28.00	\$31.63
2	Additional 1-inch AC Thickness to Patch	S.F.	\$0.50	\$3.07
3	Fog Seal in County R/W	S.F.	\$4.00	\$1.95
4	AC Grind and Cap (Exercised at Discretion of District)	S.F.	\$10.00	\$27.20
5	Pavement Striping (Exercised at Discretion of District)	L.F.	\$10.00	\$1,020.53
6	Traffic Control in State R/W (Exercised at Discretion of District)	HR	\$750.00	\$704.67
Basis of Award:			\$33.00	\$39.72

The 2023 patch paving contract was completed by West Coast Paving, Inc., under a contract awarded by the Board of Directors at their April 11, 2023 meeting. The volatility of asphalt pricing requires an annual contract which is bid and awarded prior to the start of the construction season.

FISCAL ANALYSIS:

Staff is requesting to issue a new purchase order for \$25,000 with West Coast Paving Inc. for anticipated paving costs through June 30, 2024. A new purchase order for Fiscal Year (FY) 2024-25 will be part of the Annual Purchase Orders that are brought for Board Approval in June 2024 for Vendors where the amount included in the FY 2024-25 Operating Budget exceeds \$60,000. The tentatively budgeted amount in FY 2024-25 for West Coast Paving Inc. is \$100,000.

STRATEGIC PLAN ALIGNMENT:

Goal 1: Provide safe, efficient, sustainable water and wastewater services focusing on industry best practices and continuous improvement – Objective C: Maintain District utility system up-time with a focus on redundancy and reliability.

ATTACHMENTS: None.

MOTION: Approve Staff Recommendation.

REVIEW TRACKING:

Submitted By:  Approved By: 
Joseph J. Pomroy, P.E. Bradley A. Johnson, P.E.
Engineering & Operations Manager General Manager/CEO

Reviewed By: 
Vanetta Van Cleave
Chief Financial Officer



NORTH TAHOE PUBLIC UTILITY DISTRICT

DATE: April 9, 2024

ITEM: F-4

FROM: Planning and Engineering Department

SUBJECT: Award a Construction Contract and Authorize the General Manager to Execute the Agreement with Vinciguerra Construction, Inc. for the Brockway Fire Protection Water Infrastructure 2024 Project

RECOMMENDATION:

Award a construction contract and authorize the General Manager to execute the agreement with Vinciguerra Construction, Inc. for the Brockway Fire Protection Water Infrastructure 2024 Project in the amount of \$2,134,850; and authorize up to 10% of the construction contract, \$213,000 as construction reserves executable by the General Manager.

DISCUSSION:

The Brockway Fire Protection Water Infrastructure 2024 Project includes two (2) projects identified in the District's 5-year Capital Improvement Plan; the

- Brockway Drinking Water and Fire Protection Infrastructure
- Dollar Cove SR28 Watermain Crossing

The Brockway Drinking Water and Fire Protection Infrastructure Project will construct 1,782 linear feet of 8-inch and 155 linear feet of 4-inch watermain in State Route 28 to replace aging and undersized watermains. The project will also construct 431 linear feet of 8-inch watermain in Lake Vista Drive to connect existing watermains which will increase fire flows and improve water quality. Additionally, the project includes the installation of four (4) fire hydrants and new water services and meters to the front of the parcels along State Route 28.

The Dollar Cove SR28 Watermain Crossing will replace 60 linear feet of aging and undersized watermain across State Route 28 in NTPUD's Dollar Cove Water System. This segment of watermain replacement is part of a future watermain replacement project in the Dollar Cove Water System currently planned for Fiscal Year 2028/2029. By replacing the watermain across State Route 28 this construction season, the future project will not interfere with Caltrans' pavement replacement project or damage new asphalt.

The Brockway Fire Protection Water Infrastructure 2024 Project was designed by District Staff, and construction will also be managed by District Staff. The project will begin construction in mid-August and be complete by October 15, 2024.

Construction Contract:

The project was advertised for bids on February 16 & 23, 2024, and bids were opened on March 26, 2024. The bid results are shown below.

- Bid Period: 2/9/2024 – 3/26/2024
- Bids Received: 5
- Bid Range: \$2,134,850- \$3,131,313 (see table below)
- Engineer’s Construction Estimate: \$2,386,040

Contractor	Bid Amount
Vinciguerra Construction, Inc.	\$2,134,850
Ruppert, Inc.	\$2,293,933
F.W. Carson Co.	\$2,323,797
JPB Designs, Inc.	\$2,328,860
Burdick Excavating Co, Inc.	\$3,131,313

The bids were reviewed by District Staff. Vinciguerra Construction, Inc. is the low responsive bidder at \$2,134,850. We have also determined that Vinciguerra has met the requirements of the Contract Documents to comply with Disadvantaged Business outreach requirement of State and Federal Funding under the Contract Documents Section, Grant Conditions, 2.04 Disadvantaged Business Enterprise (DBE) Requirements. Vinciguerra Construction Inc. has completed the 2022 NTPUD Waterline Improvements Project, Dolly Varden Watermain Project, Grey and Toyon Watermain Project and the N-1 Lift Station Rehabilitation Project.

The construction cost per mile of watermain replacement for the Brockway Fire Protection Water Infrastructure 2024 Project is approximately \$3.5 million. This cost per mile represents a 5.3% increase over the price per mile NTPUD received in 2023. This represents a substantial decrease from the average 14% annual inflation NTPUD experienced between 2018 and 2023.

Professional Services Contracts:

Multiple professional support services have been identified to ensure the successful delivery of the proposed project. These consultants provide industry-specific expertise, that the District does not have internally, to facilitate project completion. The professional services agreements proposed are time and materials contracts with not to exceed amounts and are executable within the General Manager’s authority.

During construction, Staff’s primary duties are to over see day-to-day construction activities, ensure the project meets the District’s specifications and objectives, and

provide general project management. The specific roles and responsibilities of each consultant are as follows:

Vendor	Role/Responsibility	
Lizzie Bennett	Archaeological Monitor	Permit Compliance
Washoe Tribe (if available)	Tribal Monitor	Permit Compliance
NV5, Inc.	Special Inspection – Soil Compaction and Materials Testing	QA/QC

Construction Phase Costs:

The following tables provide a project-level estimate to complete the construction phase of the project. The tables include the capitalization of Staff costs involved in the execution of the project.

Total Construction Phase Costs

Vinciguerra Construction, Inc.	\$2,134,850	<u>Construction:</u> \$2,347,850 (95.6%)
10% Construction Reserve	\$213,000	
Geotechnical Material Testing	\$30,000	<u>Professional Services</u> \$50,000 (2.0%)
Archaeological Monitor	\$10,000	
Tribal Monitor	\$10,000	
Water Meters	\$10,000	<u>District Furnished Material:</u> \$10,000 (0.4%)
NTPUD Staff	\$50,000	<u>Staff Time</u> \$50,000 (2.0%)
Total	\$2,457,850	

The total projected construction cost is estimated to be \$2,457,850.

If awarded, the project will begin immediately with the issuance of contracts and review of material submittals from the Contractor. Construction will begin in mid-August and be completed no later than October 15, 2023.

FISCAL ANALYSIS:


The Fiscal Year (FY) 2023-2024 Capital Budget includes \$250,000 for Dollar Cove SR28 Watermain Crossing which will be rolled forward to FY 2024-2025. Additionally, the proposed FY 2024-2025 Capital Budget includes \$2,550,000 for Brockway Drinking Water and Fire Protection Infrastructure Project in the Water Fund. As such, \$2,800,000 is available to fund the Brockway Fire Protection Water Infrastructure 2024 Project. All remaining funds will be returned to the District reserves.


STRATEGIC PLAN ALIGNMENT:

Goal 1: Provide safe, efficient, sustainable water and wastewater services focusing on industry best practices and continuous improvement – Objective D: Prioritize Capital Project planning and delivery toward uniform service using industry standards, asset condition data, and a focus on climate resilience and emergency preparedness – Tactic 1: Improve the comprehensive fire suppression capability of the water system in all three water systems – Activity a: Replace aging and undersized watermains with new watermains design for fire flow capacity; and – Activity b: Increase the number of installed fire hydrants; and – Activity c: Reduce the spacing between fire hydrants; and – Activity d: Improve watermain looping.

MOTION: Approve Staff Recommendation

REVIEW TRACKING:

Submitted By: 
Joseph J. Pomroy, P.E.
Engineering & Operations Manager

Approved By: 
Bradley A. Johnson, P.E.
General Manager/CEO

Reviewed By: 
Vanetta N. Van Cleave
Chief Financial Officer