



Utilities Department

DRAFT MEMO

TO: HONORABLE MAYOR AND CITY COUNCIL
FROM: PHIL BRUN, UTILITIES DIRECTOR
CC: JOY ELDREDGE, DEPUTY UTILITIES DIRECTOR
MORGAN SIMONE, MANAGEMENT ANALYST
DATE: March 15, 2024
SUBJECT: WRITTEN DETERMINATION TO ENTER INTO A CONTRACT WITH ADVANTAGE
RELINE SERVICES, INC, TO PROVIDE PIPELINE LINING AND RELATED SERVICES
PURSUANT TO NAPA MUNICIPAL CODE SECTION 2.91.050

Per **NMC 2.91.050**, the City may enter into a contract for a "specialty item," provided that the City Manager makes a written determination of the following:

1. The project need which the City intends to satisfy through the contract for the specialty item.

On July 3, 2023, the City discovered a leak on the 36" transmission main near the Redwood Creek crossing. The City desires to line the transmission main with a 20" Primus liner to restore flow through the main.

2. The types of property or service which are available (or used by other similarly situated private or public agencies) to meet this need (or similar needs), and the contractors which are available to provide the property or service.

Advantage Reline has experience lining large diameter pipelines for municipal and industrial clients with the Primus Liner. Advantage Reline is a certified installer of the Primus Line and is recommended by the manufacturer as their largest installer on the west coast.

3. **The reasons why it is impracticable for a similar service to meet the City's needs (including considerations of compatibility with other City services regarding maintenance, repair, training, quality, price, or similar considerations); or why the City's needs can only be met by one unique or proprietary type of service (the specialty item).**

The City is expediting the pipeline replacement due to the impact of having a critical transmission pipeline out of service. Considering the complexity and urgency of the required design, it is important that the City work with a vendor that has specific qualifications.

The City has investigated the following options for transmission main repair at Redwood Creek:

- Excavate and Repair - \$300,000 with a 6-12 month lead time
- Internal Repair Sleeve - infeasible
- Epoxy Lining - \$285,000 with a 2 month lead time but likely infeasible
- HDPE Slip Lining - infeasible
- Cure In Place Lining - infeasible

Excavating and repairing the leak location requires a coffer dam diverting the creek and fish and wildlife permitting. An internal repair requires manned entry with a high degree of risk due to the bends and unknown pipe conditions.

The creek crossing requires a lining that can be pulled through the 45-degree bends in the existing piping and bypass the leak location. This restricts the lining to a flexible pipe as a cured in place liner will have difficulty adhering to the pipeline at the elbows and an epoxy liner needs a dry pipe. The Primus Liner is the only lining product available that is able to be installed and function within the compromised transition main without issue.

The proposed liner product, Primus Liner is NSF 61 certified for use in potable water mains and has a pressure rating of 175 psi which is well above the operating pressure of 115 psi.

4. **By entering into a contract for the specialty item from the proposed contractor, the City will meet the purpose and goals identified in NMC Section 2.91.010.**

Advantage Reline has knowledge and experience to provide the required

services in a cost-effective manner. For the reasons stated above, entering into a public works contract with Advantage Reline will ensure the City will meet the purpose and goals of NMC Section 2.91.010.

5. The contract complies with the requirements of NMC Section 2.91.030 (B).

Pursuant to NMC Section 2.91.030(B)(2), (a) will be approved as to form by the City Attorney, (b) as determined by the City Auditor, there are sufficient unencumbered funds to cover the cost of the contract, which, will be funded by various capital and operating accounts, (c) the contract is prepared in accordance with all other requirements of this Code and the administrative regulations; and (d)(1) the Utilities Director will approve the public works contract.