



CITY OF FORT BRAGG

REQUEST FOR PROPOSALS FOR DESIGN AND PREPARATION OF CONSTRUCTION DOCUMENTS FOR THE PUDDING CREEK WATER MAIN RELOCATION PROJECT

The City of Fort Bragg is seeking proposals from qualified professionals interested in contracting with the City of Fort Bragg to prepare construction documents for relocation and replacement of the Pudding Creek Water Main.

SCOPE OF WORK

The objective of this project is to relocate approximately 1000 feet of a 10-inch water main which currently crosses Pudding Creek on a dam owned by Georgia Pacific (GP) to the nearby State Route 1 Bridge over Pudding Creek owned by the California Department of Transportation (Caltrans). The bridge is approximately 600 feet downstream of the dam and current crossing. In December of 2016, the water main partially lost its support when the dam was overtopped during a storm. The dam and the water main lie in the estuary and floodplain of Pudding Creek. The dam was built in 1955 by GP's predecessor, Union Lumber Company, to store water for lumber mill operations in Fort Bragg. This main was placed on the dam in 1984 and serves the health, safety, and fire protection needs of property within the City north of Pudding Creek.

The 2016 storm resulted in damage and exposure of three of the water main's support piers, one on the north side and two on the south. Temporary measures were taken by GP and the City to support and armor the damaged areas of the dam and protect the City's main. Caltrans is preparing to widen the State Route 1 Bridge over Pudding Creek (EA #01-43480) with construction tentatively scheduled to start in 2021. An agreement has been reached with Caltrans to incorporate the addition of a sleeve or hangers on the east side of the bridge widening project for the relocation of the City's water main. This addition to the Caltrans portion of the project allows the City to take advantage of the environmental review and permitting process being undertaken for the widening. With the off-bridge work being done in existing streets, remaining environmental review and permitting is expected to be minimal. The boundary of the Coastal Zone appears to lie along the centerline of State Route 1 as it crosses Pudding Creek. The proposed water main route is shown in Figure 1.

The pipeline shall be attached to the newly added structural supports on the east side of the Pudding Creek Bridge on State Route 1. The method of attachment shall protect the pipe from damage, provide support for seismic loads, and allow for expansion/contraction of pipe and bridge materials. The pipeline shall leave the bridge at a location adjacent to the existing abutments on the southwest and northwest corners of the bridge. Typical design elements may include double-walled construction, pipe hangers or slides and support hardware, horizontal and vertical alignments and elbows for above-ground pipes, and buttresses at the start and end of the bridge crossing. The pipe crossing location and construction documents shall be approved by the California Department of Transportation.

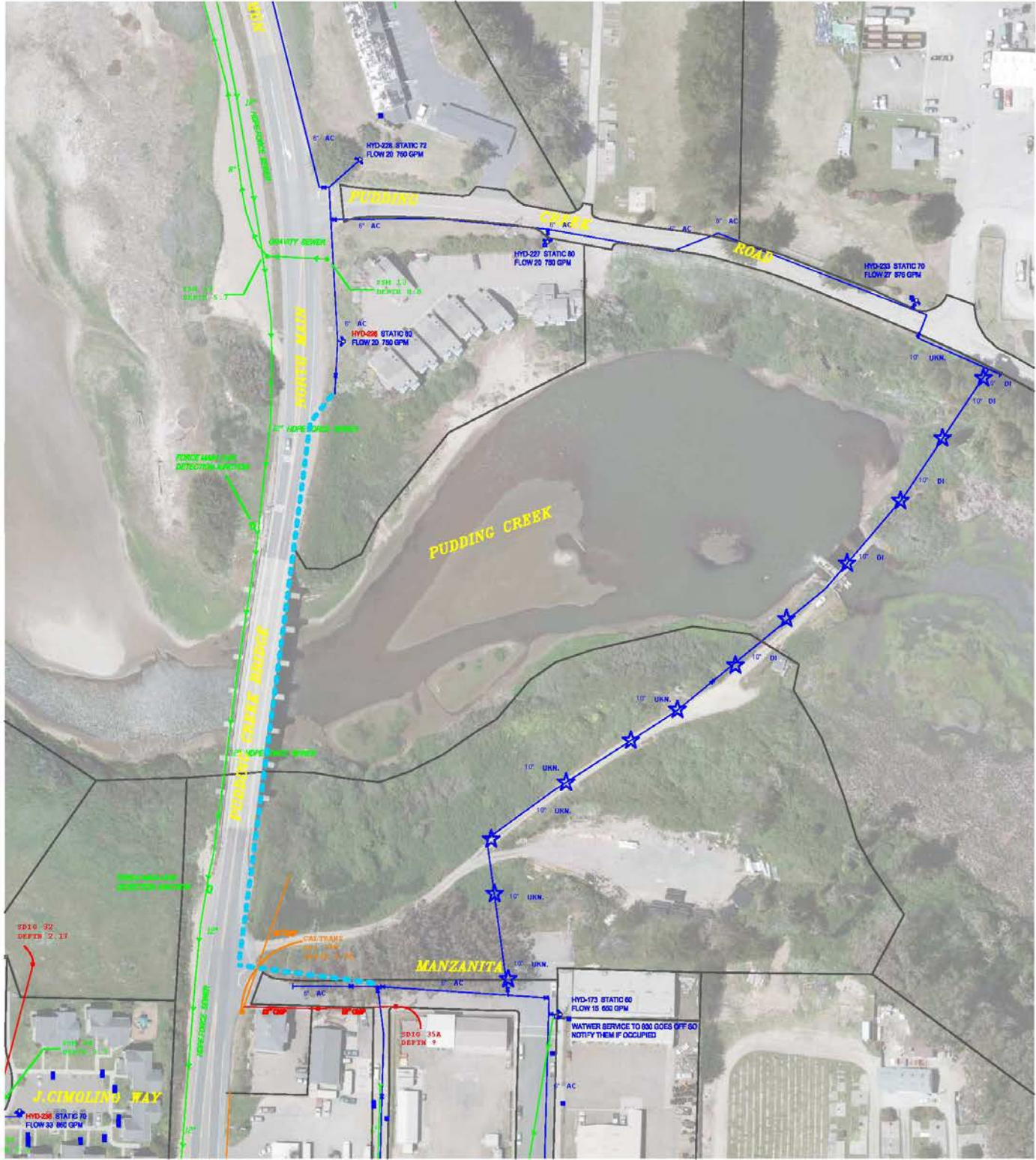
In addition, short, new water main extensions north and south of the bridge will be needed to connect to the existing water system. One connection will be directly to the north of the existing water main in Highway 1 (Main Street). The other on the south will be to the existing main in Manzanita Street

approximately 200 feet east of Highway 1 (Main Street) (see Figure 1). The scope of work includes all necessary appurtenances.

This contract would consist of the following tasks:

1. Preparation of design and construction documents for relocation of the existing pipeline from the dam to the bridge. Construction documents include:
 - a. Engineering evaluation of existing conditions and constraints of the pipeline and appurtenances.
 - b. Topographic and boundary survey of the project area in sufficient detail to design and build the project. Field investigation shall be extended to confirm the approximate location of underground facilities. City staff will assist with potholing.
 - c. Preparation of an engineer's construction cost estimate at the 50%, 90% and 100% stages of design. The City will need approximately 10 working days to review and comment at both the 50% and 90% stages.
 - d. Improvement plans, technical specifications, and any other relevant attachments needed to construct the project. If additional environmental review or permitting work is needed it will be negotiated separately.
2. Preparation of a hydraulic analysis of the proposed replacement/relocation of pipeline using material, 10-inch diameter, and capacity for service area. Previously performed analysis will be provided for review.
3. Preparation of a seismic analysis to determine optimum supports and appurtenances for design earthquake load, and allowance for expansion and contraction of materials.
4. Coordination with Caltrans and Georgia Pacific for the right of entry and encroachment permit process and preparation of required documentation. These processes shall be started immediately upon award of the professional services agreement. Right of way acquisition is not anticipated for this project. However a preliminary review by the consultant shall be undertaken as an early task to confirm. The agreement may be modified if right of way acquisition assistance is required.
5. Construction documents and Technical Specifications shall meet City of Fort Bragg standards, Caltrans requirements, and the County of Mendocino regulations as applicable. All mitigations identified by the City, environmental documents, or permitting agencies shall be incorporated into the design and included in the contract documents. The City will prepare the Contract Document (General Provisions) and Bid Form sections of the specifications.
6. Preparation of a list of construction submittals for inclusion in the construction contract documents and for use during construction (including Buy American Certification requirements).
7. Professional services during the bid period, including attending any pre-bid meetings or walks, answering questions from potential bidders, and preparing addendas. Post bid-opening services shall be a separate cost item. The City is not amenable to adjustments to the contract amount for these services at any future time unless additional services are requested. Construction management services, if needed, will be requested and contracted for separately.
8. All construction documents shall be fully compliant with all of the requirements of any funding source. Consultant is responsible for thoroughly reviewing and understanding the design and construction requirements imposed by funding sources, and to ensure they are fully incorporated into the construction documents. Consultant shall work with City staff to ensure that the contract documents reflect all the funding source requirements.
9. Preparation of Operations and Maintenance manuals for the water main.
10. Submittal of an electronic copy of all finished products in Microsoft Word or Excel.

Pudding Creek Water Main Relocation Project



- Existing Water Line
- - - Proposed Water Line
- ★ Abandon in-place water
- Sewer Main

Figure 1



PROPOSAL SUBMITTAL REQUIREMENTS

1. Proposers should send a complete digital proposal, collated into one PDF document, 3 printed copies of the completed proposals and cost bid so that it is received by the City no later than 2:00 p.m. on [REDACTED], 2020 to:
City of Fort Bragg
Attention: June Lemos, CMC, City Clerk
416 North Franklin Street
Fort Bragg, CA 95437
2. Format: Printed proposal should be 8 ½ x 11 inches, printed two-sided on recycled and recyclable paper with removable bindings, bound in a single document and organized in sections following the order specified under contents.
3. Contents: Proposal shall contain the following information
 - A. Firm Description
Provide a description of your firm and list relevant information about capabilities, size rate of services, and length of time in existence.
 - B. Relevant Experience
Describe relevant experience in preparing capital improvement projects within the Caltrans right of way, including water main construction, for other public agencies. Describe relevant experience in water main design and other relevant experience in designing for construction in environmentally sensitive areas.
 - C. Key Personnel Qualifications
Identify key personnel who would work on the project, as assigned their respective roles and a synopsis of relevant experience.
 - D. References
List of public agencies or clients for whom similar work has been performed, with the name, title and phone number of a contact person. The may request a copy of a similar report prepared previously by the firm for another agency.
 - E. Scope of Work
Provide an explanation of tasks associated with the project, including how you propose to complete each task.
 - F. Budget and Schedule of Charges
Provide a "Not to Exceed" amount and a list of Personnel Rates, Equipment Charges, Travel Reimbursement Costs, and Job Descriptions for Personnel. Please be aware that prevailing wage rates apply to some preconstruction work, such as inspection and land surveying, for public works projects.
 - G. Work Schedule
Provide time schedule for completion of work. The work schedule for relocating the water main shall be coordinated with the Caltrans bridge widening project.
 - H. Insurance
The individual or firm receiving the contract shall procure and maintain for the duration of the contract, insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Consultant, his agents, representatives, employees or subcontracts as set forth in Section 13 of Exhibit "A" which is attached hereto and incorporated by reference herein. Any requests for reduction in the insurance amount shall be included in the proposal.
The cost of such insurance shall be included in the consultant's proposal.
 - I. Consultant Agreement
The City's standard consultant services agreement is attached as Exhibit "A". Please identify if your firm would have any issues with the provisions of the City's standard consulting services agreement. All requests for amendments to language in the agreement **must** be included in the proposal.

EVALUATION CRITERIA

Proposals will be evaluated on the basis of the following criteria:

- Capabilities and resources of the firm.
- Qualifications and experience of key individuals.
- Schedule for completion of work.

The above selection criteria are provided to assist proposers and are not meant to limit other considerations that may become apparent during the course of the selection process.

Proposals will be reviewed and evaluated by the City of Fort Bragg and a recommendation for award of contract will be presented to the Fort Bragg City Council.

OTHER CONSIDERATIONS

The City of Fort Bragg reserves the right to reject any and all proposals. This Request for Proposals does not commit the City to award contract, pay any costs incurred in the preparation of proposals, or to procure or contract for supplies or services.

The City of Fort Bragg reserves the right to negotiate with any qualified source or to cancel, in part or in its entirety, this Request for Proposals, if it is in the best interest of the City to do so. The City may require the selected consultant to participate in negotiations, and submit such price, technical or other revisions of the proposal that may result from negotiations.

QUESTIONS

Questions should be directed to:

Tom Z. Varga, Public Works Director
City of Fort Bragg
416 North Franklin Street
Fort Bragg, CA 95437
(707) 961-2823
E-mail: tvarga@fortbragg.com

ATTACHMENTS

Exhibit "A" – City's standard Professional Services Agreement

Exhibit "B" – Proposed Project Schedule