



## **CITY OF FORT BRAGG**

### **REQUEST FOR PROPOSALS FOR ENGINEERING AND DESIGN SERVICES FOR THE 2020 MAPLE STREET STORM DRAIN AND ALLEY REHABILITATION PROJECT**

The City of Fort Bragg is seeking proposals from qualified engineering consultants interested in contracting with the City of Fort Bragg to prepare complete construction documents for the 2020 Maple Street Storm Drain and Alley Rehabilitation Project.

#### **SCOPE OF WORK**

##### **Project Description**

The Public Works Department and City Council has identified a portion of Maple Street between Harold Street and Lincoln Street where chronic storm drain pipe failures are creating sink holes in the street as well as impairing the reliability of the storm drain system in this area. The project includes replacement of a failing 12" stormdrain line along a 340 linear foot alley (S300K) and an 18" stormdrain line along 770 linear feet of a collector street (Maple Street). In addition to the replacement of the stormdrain infrastructure, the proposed project includes installation of three additional storm drain inlets, significant removal and replacement of pavement on the north side of Maple Street to restore the curb and gutter, and the installation of several new standardized ADA curb ramps. The stormdrain project area is depicted in figure 1. Additionally, four (4) alleys have been selected for inclusion in this rehabilitation project, the alleys are depicted in figure 2. In total the project will rehabilitate 1,110 linear feet of stormdrain line and 6,800 square yards of City Street and alley pavement. All locations are based on priority need, resources, and funding, as a result project limits may be subject to change as the project design progresses.

##### **Project Background, Purpose, and Need**

###### **Project Component 1) Maple Street Stormdrain**

In 2004 the City contracted with KASL Consulting Engineers to prepare a Storm Drain Master Plan (SDMP). The Maple Street project area was identified as a medium priority project for hydraulic deficiency. According to the study, hydraulically deficient facilities were those that were undersized for the 10-year design flow and/or backwatered pipes which are causing or have the potential to cause flooding problems. The current state of this stormdrain system has further degraded over time and escalated to a safety deficiency. The stormwater system traversing Maple Street no longer has adequate hydraulic capacity which results in flooding problems that are physically degrading the pavement conditions and creating a traffic and safety hazard.

In 2016 year a sinkhole appeared on Maple Street just east of the Harold St intersection. The City responded by placing a temporary stainless steel plate over the failing drainage area. The existing drainage situation is causing irreversible damage to the pavement and causing faster than usual pavement deterioration downhill from the problem area. The street segment

location proposed for rehab on Maple Street is referred to as Maple St 001A in the 2017 Pavement Management Report. Maple St 001A has a Pavement Condition Index of 45. The current condition of the downhill pavement section Maple St 001B is currently in good condition with a PCI = 84, that pavement section was maintained as recently as 2013.

These storm drain issues are at the top of drainage basin C an oblong shaped sub-watershed which straddles Maple and Hazel Street(s) in an east west direction. The City's topography generally directs all stormwater flows in a westerly direction; this is cause for concern about protecting the pavement investment of the downhill conditions if the uphill issues are not resolved in a timely fashion. Based on current City priorities and analysis of existing conditions, the Maple Street drainage rehabilitation project has risen to a high priority project as it meets the criteria described in the Storm Drain Master Plan.

## **Project Component 2) Alleys Selected for Rehabilitation**

In 2011, the City contracted with KASL Consulting Engineers to prepare the Alley Master Plan (AMP) using grant funds from the Mendocino Council of Governments (MCOG). This plan inventoried and evaluated the conditions of City alleys and prioritized them for improvement opportunities using several different metrics including greatest need for surface conditioning, funding, safety, drainage, and consistency with other Master Plans. Based on a complete review of the 2011 AMP and current existing conditions staff is recommending the following alleys for rehabilitation to be included in this project.

1. Alley S300G; a Residential type 2 improvement, located between S Harrison St. and S. Whipple St. from Maple to Hazel.
2. Alley N102G; a Residential type 1 improvement, located between N Harrison St. and N. Whipple St. from Alder to Oak.
3. Alley S600E; a Commercial/Multifamily (MF) type improvement, located between S Franklin St. and the GP Haul Rd. from Walnut to Cypress.
4. Alley S100H; a Commercial type 2 improvement, located between S Whipple St. and S Corry St. and Oak and Madrone.

## **Design Notes**

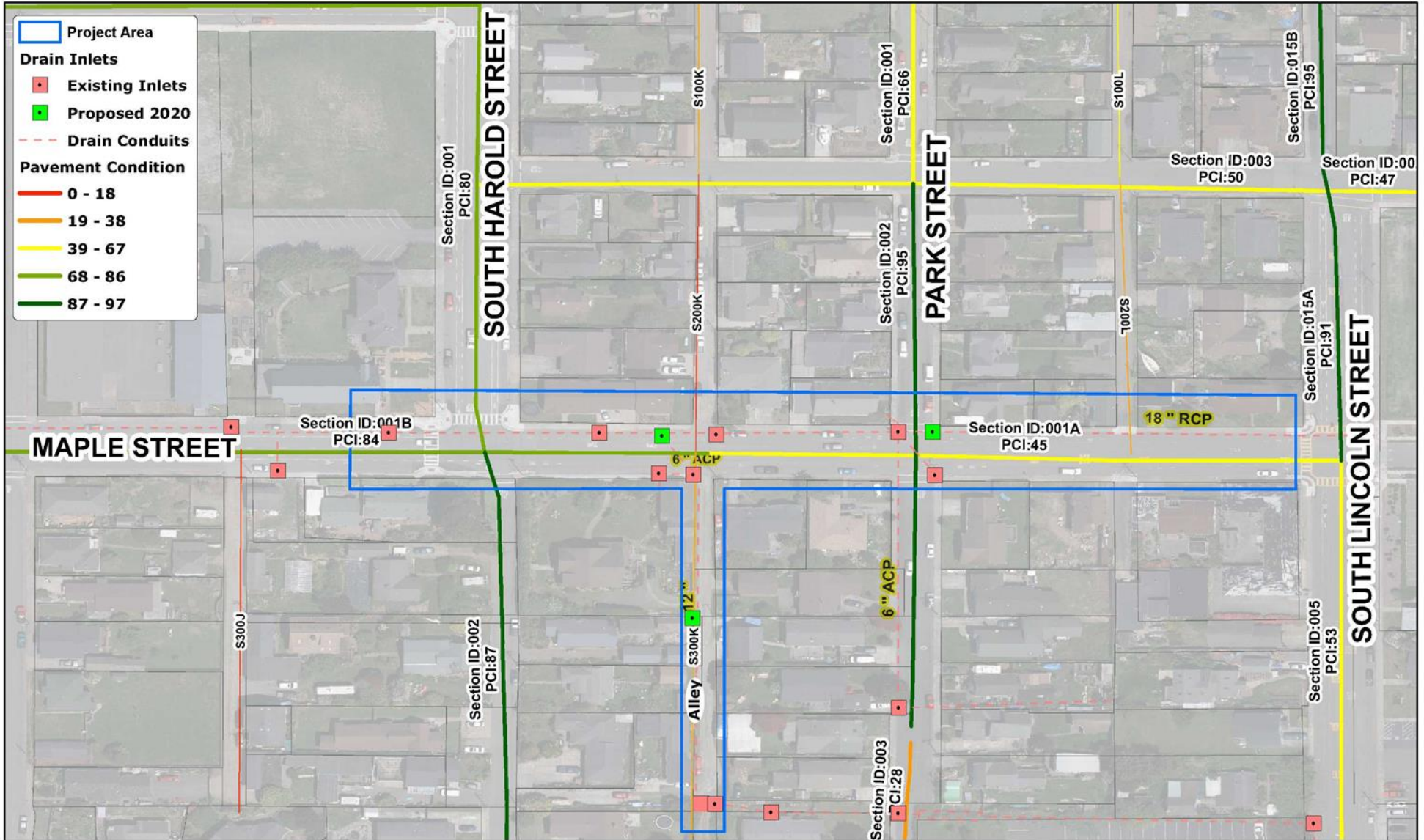
As always a key element of the project should include an investigation into design options and alternate construction methods for each location that will maximize the longevity of the streets and alleys, while considering our financial limitations.

We believe that the circumstances that are causing damage to this street and alleys is primarily due to storm water drainage issues. Design and construction challenges include shallow existing utilities that may need to be relocated, preservation of existing drainage flow patterns, improvements to drainage, and providing accessible pedestrian facilities per ADA requirements.

The project shall be designed utilizing approved City of Fort Bragg Standard Specifications where applicable. The City will provide maps of its existing underground infrastructure (water, storm water and wastewater), manholes and water meters. As is typical, mapping may be incomplete or incorrect.

Additionally, this project will incorporate the coordination with telecommunications entities for the placement of broadband conduit the length of Maple Street.

# 2020 Maple Street Drainage Rehabilitation Proposed Drain Inlet Locations



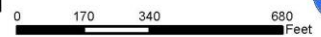




Feature and boundary locations depicted are approximate only. 08-08-19



## 2020 Alleys for Rehabilitation



**This contract consists of the following tasks:**

**1. Project Management**

- A. Up to three (3) meetings with City staff for information gathering, review and approval of contract plans and specifications, and general coordination with the City staff during all phases of the work.
- B. Field work to determine topography, elevations, stationing, limits, and quantities for construction. Survey data shall be detailed enough to accurately predict and preserve drainage and linear connections between adjacent private properties and existing sidewalks, streets, and alleys. Special attention will be required to capture drainage issues including cross drains and under sidewalk drains.
- C. Coordination with City-forces potholing of locations where utility conflicts are probable based on existing data. Pot holing data shall be used to design the relocation of shallow and conflicting utilities.
- D. Project shall be designed to meet Post Construction Stormwater Management Measures established by the Phase II Municipal Separate Storm Sewer System (MS4) and/or the State Construction General Permit (CGP) as appropriate.

**2. Plans, Specs and Estimates**

- A. Investigation and preparation of a memo or report including recommendations for alternate designs to increase facility longevity and ease of construction, including an engineer's cost estimates for rehabilitation of all locations prior to the start of plan preparation.
- B. Preparation of construction specifications containing State and local requirements and contract language that meet labor compliance provisions. The City shall prepare the contract portion of the bid documents, and the consultant shall prepare the technical specifications and special provisions sections.
- C. Preparation of plans, technical specifications and engineer's estimate for construction: Deliverables shall include 60% design; 90% design, and 100% final plans and specifications complete and ready to bid for construction.
- D. The 100% deliverable shall include one (1) stamped and signed original set of plans and two (2) copies of plans and technical specifications. Project shall be designed utilizing approved City of Fort Bragg Standard Specifications where applicable.
- E. Submittal of an electronic copy of all finished products and deliverables in pdf, AutoCAD, Microsoft Word, and/or Excel (as applicable).
- F. Preparation of cost estimates for construction and alternates. Unit prices on individual items shall incorporate bid results for recent local projects.
- G. Coordination and approval/clearance through the State Architects Office for final plans and specifications as needed.

**3. Bid Period Services**

- A. Completion of PS&E construction documents in a timely fashion to allow advertisement for construction in late spring for competitive bidding environment.
- B. Provide support to staff during the bid advertisement period as it relates to bidders questions and the preparation of technical or design related addenda as needed. This is anticipated to include one round of contractor generated questions.

**RFP Schedule**

RFP Release	October 16, 2019
Deadline for Written Questions	November 6, 2019
Proposals Due	November 13, 2019
Selection	November 25, 2019

## **PROPOSAL SUBMITTAL REQUIREMENTS**

1. Proposers should send a complete digital proposal, collated into one PDF document, three (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 November 13, 2019 to:  
City of Fort Bragg  
Attention: June Lemos, CMC, City Clerk  
416 North Franklin Street  
Fort Bragg, CA 95437  
[jlemos@fortbragg.com](mailto:jlemos@fortbragg.com)
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 designing street construction projects and preparing technical specifications for public works projects for other public agencies.
  - 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 City 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 preconstruction work, such as inspection and land surveying, for public works projects.
  - G. Work Schedule  
Provide a time schedule for completion of work.
  - 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, representative's, 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:

- Understanding of the work to be completed

- Experience with similar kinds of work
- Capabilities and resources of the firm
- Qualifications and experience of project personnel
- 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:

Chantell O'Neal  
City of Fort Bragg  
416 North Franklin Street  
Fort Bragg, CA 95437  
(707) 961-2823  
Email: coneal@fortbragg.com

### **ATTACHMENTS**

Exhibit A – City's standard Professional Services Agreement