



JOHN A. FANTHAM
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz

0361

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060
(831) 454-2160 FAX (831) 454-2395 TDD (631) 454-2123

AGENDA: JUNE 20, 2000

June 13, 2000

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: REQUEST FOR STATEMENT OF QUALIFICATIONS FOR DESIGN SERVICES
FOR THE GRAHAM HILL ROAD IMPROVEMENT PROJECT, ROARING
CAMP ROAD TO 0.64 SOUTH

Members of the Board:

In July 1999 the California Transportation Commission (CTC) authorized Santa Cruz County Public Works to begin the initial review/environmental assessment phase of the subject safety improvement project. We now estimate that this preliminary phase of the project will be completed by November 2000. In anticipation of the public hearings and community meetings which accompany that process, Public Works is asking your Board to allow us to proceed with selecting a qualified engineering consultant at this time, so they can work with County staff and interested members of the public at these meetings and complete the actual design of the proposed improvements and develop appropriate mitigation measures.

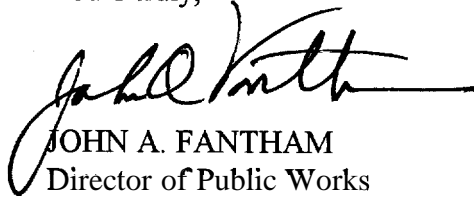
A Request for Statement of Qualifications (SOQ) is attached for your Board's review. Public Works intends to submit the SOQ to both local and regional firms requesting that they submit their SOQ to Public Works no later than August 1, 2000. After review by County staff we would then expect to ask no more than five firms, deemed qualified for this project, to submit proposals. After holding selection interviews, we anticipate returning to your Board on October 3, 2000, to request authorization to hire the selected firm.

It is therefore recommended that the Board of Supervisors take the following action:

1. Authorize the Department of Public Works to proceed with the advertisement of the Request for Statement of Qualifications for design services for the Graham Hill Road Improvement Project.

2. Direct Public Works to return to the Board on or before October 17, 2000, with an agreement to hire a qualified engineering firm for the subject project.

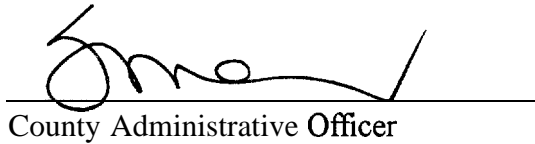
Yours truly,


JOHN A. FANTHAM
Director of Public Works

WBW:mg

Attachments

RECOMMENDED FOR APPROVAL:


County Administrative Officer

copy to: Public Works
 Santa Cruz County Regional Transportation Commission

GRAM



County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 950604070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

JOHN A. FANTHAM
DIRECTOR OF PUBLIC WORKS

TO: HIGHWAY DESIGN CONSULTING FIRMS

SUBJECT: REQUEST FOR STATEMENT OF QUALIFICATIONS FOR DESIGN SERVICES
FOR THE GRAHAM HILL ROAD IMPROVEMENT PROJECT - ROARING
CAMP ROAD TO EXISTING CLIMBING LANE

I. Background

The Santa Cruz County Public Works Department is currently requesting a Statement of Qualifications for the selection of a highway design engineering team to assist County staff in the development of final plans, contract specifications and an engineer's estimate for a 0.64 mile road improvement project on Graham Hill Road in Santa Cruz County. The design process will entail a multi-disciplinary team approach, encompassing traffic engineering, highway, drainage and structure design, geotechnical investigative services, field surveying services, bio-mitigation expertise, experience in public design/review process and experience in complying with California Environmental Quality Act/National Environmental Protection Act (CEQA/NEPA) requirements and mitigation techniques, including community workshops and public hearings.

A draft Initial Study/Environmental Assessment (IS/EA) is currently in preparation for the CEQA/NEPA environmental process. An important part of the project design will be the implementation of the resulting environmental mitigation requirements into the project (estimate IS/EA will be complete by November 2000.)

The project area has been partially field surveyed by County staff and that data will be available as a computer data file to the selected design consultant. Boundary control for the project and required right-of-way surveys have not been completed and will be a required task, along with any other remaining necessary planimetric/topographical surveys by the selected design team. All right-of-way negotiations and acquisitions will be undertaken by the Real Property Division of the County Public Works Department. In addition, a desktop soils investigative survey has been completed by the firm of Haro-Kasunich & Associates of Watsonville and is available for review.

General Proposal Requirements

II. Existing Conditions

Graham Hill Road is a principal two-lane arterial road, approximately 5.6 miles in length from the city of Santa Cruz to the town of Felton in the San Lorenzo Valley. The 0.64 mile section of road proposed for improvement is at the north end of Graham Hill Road between the

intersection of Roaring Camp Road and the northerly end of an existing slow vehicle climbing lane (see attached map). This section of road has a winding alignment on a steep grade. In addition, the subject section of road requires improvements to on and off road drainage facilities.

III. Scope of Work

The basic proposed improvements consist of the following:

1. Two six-foot wide shoulder/bicycle lanes over the full 0.64 mile project length.
2. Approximately 1,300 LF of continuous two-way left turn lane.
3. Minor realignment of the road through three horizontal curves together with redesign of the existing super elevation sections.
4. Approximately 3,100 LF of drainage improvements ranging in size from 18" to 48" in diameter.
5. 175 LF of reinforced concrete retaining wall varying in height from approximately 6 feet to 18 feet.
6. Construction of driveway improvements at the entrance to Roaring Camp/Big Trees Railroad recreational park.
7. Driveway/road conforms at several residential driveways and intersecting County roads.
8. Striping, signing, and street lighting plan,

An approved plan line for this section of road has been adopted by the County. Subject to environmental permit approval, we would expect only minor modifications to this plan line (see attached reduced drawings).

IV. Project Cost Estimate and Funding

Final construction costs for the project are estimated to be approximately \$1.8 million and will be determined through the design process.

Funding for both project design and construction is provided by the State Transportation Improvement Program (STIP), together with a portion of local matching funds.

V. Consultant Qualifications

The lead highway design engineering firm must have experience in leading a multi-disciplinary design team. A prior working relationship in a team capacity should be demonstrated in the SOQ. Members of the design team must have experience in the design of highways, drainage facilities, concrete structures, geotechnical, and the mitigation of potential biological/environmental impacts associated with the design. The design team must be able to demonstrate its experience in developing and leading a successful public design/review process, presenting public hearings and workshops, and be fully licensed in the State of California and insured (professional liability) to provide the full range of services necessary to design all aspects of the project, and be familiar with all current applicable state and federal regulations pertaining to the design of a road improvement project and as they pertain to the STIP process. Knowledge of up-to-date highway design requirements including current California Department of Transportation standard specifications and plans, pertinent technical information, the preparation of plans in metric units, and applicable traffic safety regulations will be required.

Available information, data, and studies include the following:

- a. Preliminary plan line with topographic data and Area of Potential Effect, existing planimetric features, and utilities with computer data files for same.
- b. Draft report of assessment prepared by the County's environmental consultant includes California Environmental Quality Act standard Environmental Review checklist, natural environmental study, tree removal study, and a **geological/geotechnical** feasibility study.

This information is available for review at the County Public Works Department.

VI. Description of Consultant Work and Services

The design team will perform all professional design services that are required for the preparation, coordination and completion of the final design phase of the Graham Hill Road Improvement Project, which will include plans, specifications and engineer's cost estimate. Services shall also include, but are not limited to, coordination, planning and presentations at permit hearings and public meetings and workshops, preparation of preliminary cost estimates, preparation of visual and graphics aids, development of specialized reports as necessary, and development of grading plans.

A more comprehensive description of consultant services for the final design phase of the project will be provided as part of the subsequent request for proposals for the project.

VII. Start of Project

The design consultant team will begin work during the environmental study phase in order to become familiar with project mitigation and assist the County with public hearings and workshops. We expect the team to begin work on the design of the project immediately upon completion of the IS/EA, which is estimated to be November 2000.

Design is required to be completed by March 1, 2001. Construction is estimated to be managed in two phases with Phase I beginning in the summer of 2001 and concluding in the summer/fall 2002 construction season.

VIII. Selection Criteria

The selection criteria for the "short list" of three to five design consultants will be based on the following information provided by each individual, firm, or joint venture:

1. Ability to meet all Consultant Qualifications outlined in Section V of this Request for Statement of Qualifications
2. Information submitted on Form 255, including descriptions of similar projects performed by the firm, joint venture, and sub-consultants.
3. Ability to meet the County's insurance requirements (see attached).
4. Previous work of similar nature with governmental agencies that are involved in the design and project development process, including public meetings/workshops funding, and construction.

REQUEST FOR STATEMENT OF QUALIFICATIONS FOR DESIGN SERVICES
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5. Responses to the following questions:
 - a. Describe the method(s) that you have found work best for soliciting quality community feedback during the design of a project. Use your sample project(s) to provide examples as appropriate.
 - b. Describe the aesthetic and technical issues that you would expect to address in developing the design for the Graham Hill Road Improvement Project.
 - c. Describe at least one characteristic associated with your firm's and/or team's experience and/or approach to highway design projects that would make your **firm/team** uniquely suited to undertake the design of this project.

IX Submittal Requirements and Information

If your firm is interested in submitting an SOQ for this project, please submit two copies of Items 1 through 5 of Section VIII - Selection Criteria by 5:00 P.M. on August 1, 2000, to:

Santa Cruz County Public Works Department
70 1 Ocean Street, Room 410
Santa Cruz, CA 95060

Included in this SOQ are the following attachments:

1. Form 255
2. Counties of Santa Cruz Insurance Requirements
3. Preliminary plan line
4. Project location map
5. Proposed project schedule.

Please direct all questions about this project to the attention of Mr. Bill Williamson, Senior Civil Engineer at (831) 454-2160.

Yours truly,

JOHN A. FANTHAM
Director of Public Works

WBW:mg

Attachments