



THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz

0247

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

AGENDA: AUGUST 27, 2002

August 13, 2002

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: REQUEST FOR PROPOSALS FOR A TRAFFIC STUDY OF THE
APTOS VILLAGE AREA

Members of the Board:

The Department of Public Works has been requested to initiate a traffic study for the Aptos Village area in order to update the previous 1987 Aptos Village Parking and Circulation Feasibility Study. The traffic study will focus on the buildout of vacant parcels along the Granite Way right of way between Cathedral Drive and Aptos Creek Road (T. Hopkins right of way) which provides access to Nisene Marks State Park and Aptos County Park. The land use data will be supplied by the Planning Department to determine the traffic generation within the Aptos Village core area. In addition, the consultant will evaluate traffic calming measures in the Village area and on Center Avenue/Seacliff Drive in the Seacliff area.

Attached is a Request for Proposals (RFP) for consultant services for the Aptos Village Traffic Study. The traffic study will analyze the existing and future traffic volumes associated with the development potential of the Aptos Village core area, the anticipated traffic impacts associated with the development, and will recommend the necessary capital improvement projects to mitigate the potential buildout of the area. A specific evaluation will be requested to address and explore the alternative Granite Way roadway alignments that may be necessary to accommodate future traffic needs. We anticipate the selection of a firm by October 2002 in order to present a contract for your Board's consideration on or before October 22, 2002.

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

1. Approve the attached Request for Proposals for engineering services for the Aptos Village Traffic Study.

2. Direct the Clerk of the Board to advertise the Request for Proposals in the San Jose Mercury News on September 1, 2002 for a period of four days.

Yours truly,

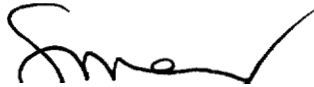


THOMAS L. BOLICH
Director of Public Works

JRS:mg

Attachment

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Public Works
 Mark Deming, Planning Department

APVM.WPD



County of Santa Cruz

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DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070
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THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

REQUEST FOR PROPOSALS APTOS VILLAGE TRAFFIC STUDY

The County of Santa Cruz is requesting proposals for traffic study services for the Aptos Village area. Your proposal should be submitted to the Director of Public Works, County of Santa Cruz, 701 Ocean Street, Room 410, Santa Cruz, California 95060, no later than 5:00 P.M. Friday, September 20, 2002.

The request for proposals may be obtained at the County of Santa Cruz Department of Public Works, 701 Ocean Street, Room 410, Santa Cruz, California 95060. No deposit is required. The request for proposals is also available from the County of Santa Cruz web site (<http://www.co.santa-cruz.ca.us/index.html>).

The Department of Public Works hereby notifies all consultants that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit proposals and will not be discriminated against on the grounds of race, color, or national origin in consideration for selection.

Yours truly,

THOMAS L. BOLICH
Director of Public Works



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REQUEST FOR PROPOSALS APTOS VILLAGE TRAFFIC STUDY

Description of Project

This project consists of analyzing the existing and future traffic volumes associated with the development potential of the Aptos Village core area. The traffic study will establish the necessary capital improvement projects to mitigate the potential build-out of the area and explore alternative roadway alignments and circulation that may be necessary to accommodate future traffic needs.

The intersections and roadways are shown on the attached map and are listed below.

Intersections to be analyzed:

Aptos Creek Road at Granite Way
Cathedral Drive at Granite Way
Soquel Drive at Trout Gulch Road
Soquel Drive at Spreckels Drive
Soquel Drive at Aptos Rancho Road
Soquel Drive at State Park Drive
Soquel Drive at Aptos Creek Road (T. Hopkins R/W)
Spreckels Drive at Seacliff Drive
State Park Drive at Searidge Road
State Park Drive at Center Avenue
State Park Drive at Highway 1 Ramps (2)
Trout Gulch Road at Cathedral Drive

Roadway Segments:

Aptos Creek Road (T. Hopkins **W**) Granite Way to Soquel Drive
Cathedral Drive: Trout Gulch Road to Granite Way
Granite Way: Aptos Creek Road to Cathedral Drive
Seacliff Drive/Center Avenue: State Park Drive to Spreckels Drive
Soquel Drive: State Park Drive to Trout Gulch Road
Spreckels Drive: Soquel Drive to Seacliff Drive
State Park Drive: Soquel Drive to Seacliff Drive/Center Avenue
Trout Gulch Road: Soquel Drive to Cathedral Drive

1. Obtain all necessary traffic volume data as needed to conduct the traffic study. Hose counts should be bi-directional counts on an hourly interval for a period covering an entire week. Obtain intersection turning movement counts during the AM, noon, and PM peak periods.
2. Obtain land uses of Aptos Village core area from the Santa Cruz County Planning Department. Trip Generation rates for these proposed land uses must be approved by the Department of Public Works staff prior to proceeding with analysis.
3. Justify Trip Distribution with field data and future assumptions and have approved by the Department of Public Works staff prior to proceeding with analysis.
4. Calculate level of service for intersection and roadway segments using AM, PM, and mid-day peak hour information. All LOS information shall be included in the study. LOS calculations shall utilize the most current Highway Capacity Manual operations methodology. All uncontrolled intersections must be checked against stop sign and/or traffic signal warrants.
5. For item four (4) above, identify mitigation measures to maintain or improve the LOS to D or better. Drawings or schematics showing the following traffic volumes, associated LOS, and mitigations shall be provided for each alternative:

Existing. Existing volumes obtained from counts.

Background. Existing peak-hour volumes plus traffic from approved but not yet constructed developments in the study area (approved projects list to be provided by the Santa Cruz County Planning Department).

Project. Background peak-hour traffic volumes plus traffic generated by the proposed land uses. One or more alternative lane use scenarios will need to be analyzed. Alternative Granite Way roadway alignments are to be considered to enhance the circulation in the Aptos Village core area.

Cumulative. Traffic volumes to be calculated for year 2020 utilizing growth factors (to be determined from historical traffic volume data).

Summarize the above LOS information in a tabular fashion. Provide sketches that show all the impacted roadway segments. Results displayed on these sketches should indicate peak hour capacities and volumes for the above scenarios with and without necessary mitigation measures. Indicate the trip distribution for the Aptos Village core area parcels.

6. Roads on which the traffic volumes shall increase significantly should be evaluated for adequate geometric design and safety, including traffic calming devices. This includes vertical and horizontal alignments as well as guardrails.

7. Evaluate bicycle, pedestrian, parking and transit facilities. Specifically evaluate routes to nearby schools, parks, and other attractions. Provide a parking inventory of public and private uses, and estimate the location and amount of parking necessary to meet future needs.
8. The document shall contain a consolidated list of the required or recommended mitigation measures.
9. Attach all data and calculations used for findings in the form of appendices.

Seacliff Drive/Center Avenue

1. An evaluation of traffic calming devices along this segment of roadway between State Park Drive and Spreckels Drive will be required.

Proposal Requirements

The written proposal will include the following:

1. Scope of Work - A statement of your proposed approach to the project with a description of deliverables. Describe the personnel associated with each task.
2. Schedule - Based on the Scope of Work, present a critical path schedule for completing the work. The schedule should include timing of deliverables.
3. Services and Materials to be Provided by County – All services to be provided by County, and available documents relative to the project, should be listed.
4. Project Team Organization - Describe the project team organization and staffing plan indicating the line of responsibility of each team member and sub-consultant through all the phases of work and clearly indicate the Principal and Project Manager. Also, identify the team members responsible for interface and coordination with the County as described in the project introduction. Discuss how this team has worked in the past on specific similar projects.
5. Fee Schedule - Estimates of expenses broken down by personnel, hours, and task. Other expenses should be itemized as well.
6. Name, address, and telephone number of firm submitting the proposal.
7. Principal Contact – The person responsible for acting as the principal contact with the County must be listed.

Consultant selection will be based on evaluation of the following:

1. Understanding of the scope of work and the County's overall project goals and the consultant's strategy for carrying out the required work tasks to meet the project goals.
2. Past experience and performance on similar projects related to cost control, quality of work, meeting schedules, errors and omissions control.
3. The consultant's experience and ability to handle public relations and communications issues relative to all phases of the project design.
4. The present workload of the consultant, availability of staff and ability to meet the project task schedule.
5. Familiarity with applicable practices and procedures for the type of work involved.
6. Familiarity with the various applicable regulatory agencies' requirements and procedures for the types of work involved.

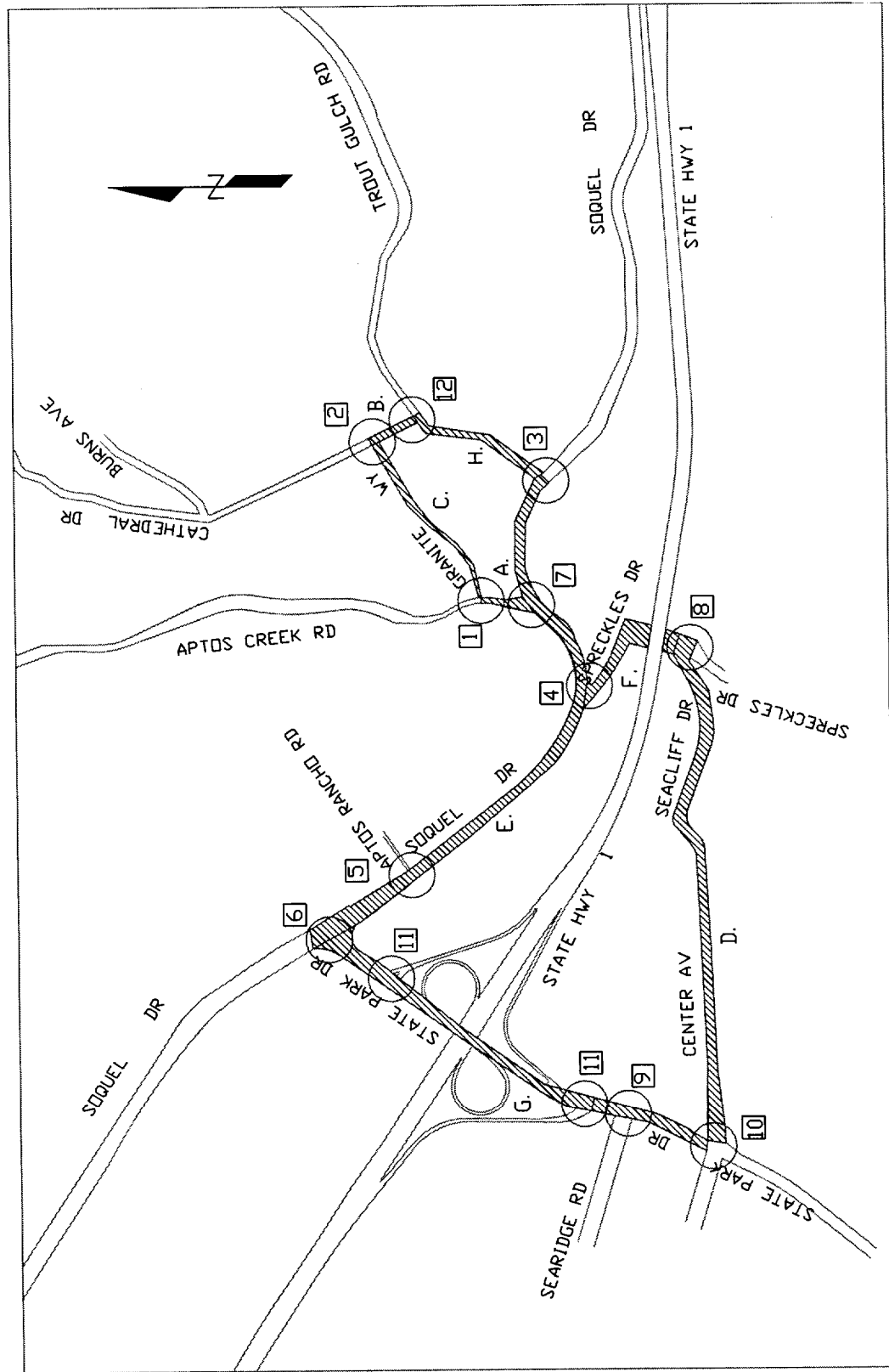
Proposal Submittal

Please submit three (3) copies of your firm's written proposal for services described in this Request for Proposals by 5:00 P.M., Friday, September 20,2002. Please direct all your inquiries concerning the RFP to Rodolpho Rivas at (831) 454-2160 and mail your proposal to:

Aptos Village Traffic Study
Rodolpho Rivas, Assistant in Civil Engineering
Santa Cruz County Department of Public Works
701 Ocean Street, Room 410
Santa Cruz, CA 95060

The selected consultant will be required to sign an Independent Contractor Agreement (see copy attached) and provide all necessary insurance coverages.

APTOS VILLAGE TRAFFIC STUDY AREA MAP



1. Intersections to be analyzed

A. Roadway segments to be analyzed.

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