



THOMAS L. BOLICH  
DIRECTOR OF PUBLIC WORKS

# 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

**AGENDA: MARCH 6, 2001**

February 28, 2001

SANTA CRUZ COUNTY BOARD OF SUPERVISORS  
701 Ocean Street  
Santa Cruz, California 95060

**SUBJECT: BARGETTO BRIDGE REPLACEMENT AND  
SOQUEL DRIVE IMPROVEMENT PROJECT  
PROPOSED CAMERA VEHICULAR DETECTION SYSTEM**

Members of the Board:

The County of Santa Cruz Department of Public Works is proposing to replace the Bargetto Bridge on Soquel Drive between Porter Street and Main Street. The construction plan for this project will require ongoing reconfiguration of traffic during construction, as well as a different configuration upon project completion. Due to the costs which would be associated with installation and repeated modifications, staff believes that the use of traffic loops would not be an economical traffic control means. Accordingly, staff is proposing to utilize an overhead camera vehicular detection system at the intersections of Soquel Drive/Porter Street and Soquel Drive/Main Street.

Overhead camera detection systems allow greater flexibility in detecting vehicular and bicycle traffic, and were successfully utilized on two reconstructed intersections related to the Soquel Drive Improvement Project at Cabrillo College. The proposed system would provide more relief from traffic delays than traffic loops because the cameras could be more easily adjusted according to lane reconfiguration than **traffic** loops. In addition, the delays associated with the lane closures required for **traffic** loop installation, modification, and maintenance would be avoided. Given the unique and changing traffic control needs of these intersections and the anticipated modification and maintenance cost savings associated with overhead camera detection systems, staff believes a permanent overhead camera vehicle detection system would be more cost-effective than a traffic loop system.

Republic Electric, the County's traffic signal maintenance contractor, has submitted a proposal to supply and install the overhead camera vehicular detection system at each intersection for all travel lane approaches. Using Republic Electric for this purpose would be the most expeditious means of installing these cameras to insure that they will be in place when they are needed. The Public Works Department proposes to fund the cost of the purchase and installation of

the system through the County Service Area No. 9 Highway Safety Lighting budget by reallocating \$70,000 in funds from the Upgrade Existing Signals Program and \$20,000 from the Soquel Bridge Lighting/Interconnect Project for a total project cost of \$90,000 including contingencies and administrative costs. The Upgrade Existing Signals Program will continue to be partially funded this fiscal year to meet any necessary upgrades that can be reasonably foreseen. The remaining Soquel Bridge Lighting/Interconnect Project funds will remain in the budget for additional traffic signal interconnect work to be done as part of the bridge project.

It is therefore recommended that the Board of Supervisors approve the attached AUD 74 transferring funds in the amount of \$90,000 from Structures and Improvements to Department of Public Works Services to approve a change to the Republic Electric contract to provide the installation of the camera vehicular detection devices at the above referenced signalized intersections.

Yours truly,

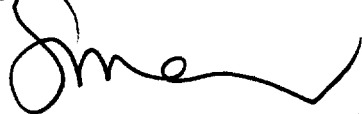


THOMAS L. BOLICH  
Director of Public Works

JRS:bbs

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Republic Electric  
Redevelopment Department  
Public Works Department

COUNTY OF SANTA CRUZ

0215

REQUEST FOR APPROVAL OF AGREEMENT

TO: Board of Supervisors
County Administrative Officer
County Counsel
Auditor-Controller

FROM: PUBLIC WORKS (Dept.)

(Signature) [Handwritten Signature] (2-5-01)

ed agreement and authorize the execution of the same.

The Board of Supervisors is hereby requested to approve the attach

(Agency)

1. Said agreement is between the COUNTY OF SANTA CRUZ (Agency)
Novato, C A 94945-4114 (Name & Address)

and REPUBLIC ELECTRIC, 7120 Redwood Blvd., detection devices at

2. The agreement will provide for the installation of camera vehicular signals during
Soquel Drive/Porter Street and Soquel Drive/Main Street traffic
the replacement of the Bargetto Bridge (Soquel)

3. The agreement is needed, because the work can be handled most expeditiously by contract

4. Period of the agreement is from Board Approval to June 30, 2001
Increase 69,231.00 (Fixed amount; Monthly rate; Not to exce

5. Anticipated cost is \$ [REDACTED]

6. Remarks: Contract \$274,706.00; Contingencies \$14,879.00; 7% Overhead \$20,271.00
Total \$309,856.00

7. Appropriations are budgeted in 622115 | 22306 | 3665 | (Index#) 3590 (Subob,

NOTE: IF APPROPRIATIONS ARE INSUFFICIENT, ATTACH COMPLETED FORM AUD-74

Appropriations are available and have been encumbered. Contract No. C001679-02 Date 2-14-01
are not will be
Separate suffix for Camera Detect GARY A. KNUTSON, Auditor - Controller
Fund 22-115 CSA 9 By [Handwritten Signature] De

Proposal reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize the
Director of Public Works to execute the same on behalf of the Department of
Public Works (Agency).

Remarks: [Handwritten Signature] (Analyst)
By [Handwritten Signature] County Administrative Officer Date 2/20/01

Agreement approved as to form. Date

JRS:bbs

Distribution:
Bd. of Supv. - White
Auditor-Controller - Blue
County Counsel - Green \*
Co. Admin. Officer - Canary
Auditor-Controller - Pink
Originating Dept. - Goldenrod

\*To Orig. Dept. if rejected.

State Of California )
County of Santa Cruz ) ss
I, [Handwritten Signature] ex-officio Clerk of the Board of Supervisors of the County of
State of California, do hereby certify that the foregoing request for approval of agreement was approved
said Board of Supervisors as recommended by the County Administrative Officer by an order duly enter
in the minutes of said Board on
19 County Administrative Offic
By Deputy Clk

**COUNTY OF SANTA CRUZ**  
 REQUEST FOR TRANSFER OR REVISION  
 OF BUDGET APPROPRIATIONS AND/OR FUNDS

0216

Department: PUBLIC WORKS

Date: 1-19-01

TO: Board of Supervisors / County Administrative Officer / District Board

I hereby request your approval of the following transfer of budget appropriations and/or funds in the fiscal year ending June 30, ~~19~~2001

AUDITORS USE ONLY			
DOCUMENT #	AMOUNT	L/N	T/C HASH
JE 6			

BATCH #	
DATE	Keyed By:

	T/C	INDEX	SUBJECT	USER CODE	AMOUNT	ACCOUNT DESCRIPTION *
T R A N S F E R	0,2,1	6,2,2,1,1,5	3,5,9,0		9,000,000.00	DPW Services
F R O M	0,2,2	6,2,2,1,1,5	6,6,1,0		9,000,000.00	Structures & Improve

Explanation: To transfer funds from Structures and Improvements (WA 22346) upgrade existing signals \$70,000.00 and WA 22347 Soquel Bridge Lighting/Interconnect \$20,000.00 to DPW Services for the installation of camera vehicular detection devices at Soquel Drive/Porter Street and Soquel Drive/Main Street WA 22306 Signal Maintenance

Name: *Carol D. Kelly*  
 CAROL D. KELLY

Title: Director of Administrative Services

Auditor-Controller's Action: I hereby certify that unencumbered balance(s) is/are available in the appropriations/funds and in the amounts indicated above.

Auditor-Controller, by *F. Silbaugh*, Deputy Date 1-31-01

County Administrative Officer's Action:  Recommended to Board |  Approved |  Not Recommended or Approved

County Administrative Officer *[Signature]* Date 2/20/01  
 JRS: bbs

Stat3 of California } As the Clerk of the Board of Supervisors of the County of Santa Cruz, I do hereby certify that the foregoing request for  
 ss. transfer was approved by said Board of Supervisors as recommended by the County Administrative Officer by an order  
 County of Santa Cruz } duly entered in the minutes of said Board on

\_\_\_\_\_, 19\_\_\_\_, By \_\_\_\_\_, Deputy Clerk

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(A-C)\* Desc: \_\_\_\_\_ Item: - Budget Transfer

A-C Review		

Distribution: BRD. NAME AGENDA DATE ITEM NO.  
 White-Board of Supervisors Green-County Adminitrstivs Officer Goldenrod-Departmental Control Copy  
 Yellow-Auditor-Controller Pink-Originating Department