



County of Santa Cruz

0321

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

AGENDA: AUGUST 1, 2000

July 20, 2000

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street

Santa Cruz, California 95060

SUBJECT: BRIDGE RAILING DESIGN FOR SOQUEL DRIVE BRIDGE
AT SOQUEL CREEK

Members of the Board:

Design of the replacement bridge for Bargetto Bridge on Soquel Drive at Soquel Creek is nearing completion by Buckland & Taylor, Ltd., a professional consulting engineering firm. Construction is currently scheduled for 2001.

At community meetings which have been held to discuss the project, the public has expressed an interest in a bridge railing which would allow views of the creek and riparian area from the bridge. Standard state-approved bridge railings are typically solid concrete structures, which have been crash-tested to Federal Highway Administration specifications. However, these railings do not allow views of the creek area from vehicles on the bridge, so a different design would be necessary to achieve this goal and provide the aesthetics preferred by the Soquel Village community.

County staff has designed an alternative bridge railing, consisting of concrete pillars separated by sections of tubular metal railings, which does allow views from vehicles (see attached detail). However, in order to include such a non-standard railing in the project, additional engineering analysis is necessary to design the attachment of the railing to the bridge superstructure.

Buckland & Taylor has agreed to provide this additional work for our requested design exception for a not-to-exceed amount of \$13,600. Staff is recommending that a separate professional services contract be approved with Buckland & Taylor for this work in order to keep these alternative railing costs separate from the main bridge design contract, which is being funded by FEMA. Funds for this contract are available in the Road Fund in the current fiscal year.

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

1. Approve professional services contract with Buckland & Taylor, Ltd., in the amount of \$13,600 for design services related to the alternative bridge railing for the Soquel Drive bridge at Soquel Creek.
2. Authorize the Acting Director of Public Works to sign the contract and the necessary design exception for the alternative railing on behalf of the County.
3. Direct the Clerk of the Board to return the signed contract and design exception to the Department of Public Works for further processing.

Yours truly,

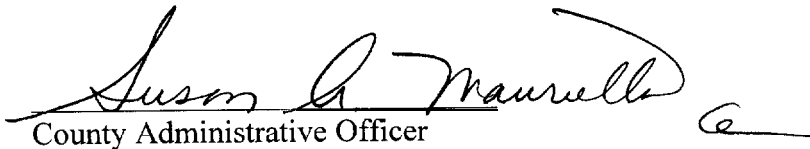


THOMAS L. BOLICH
Acting Director of Public Works

CDR:cdr

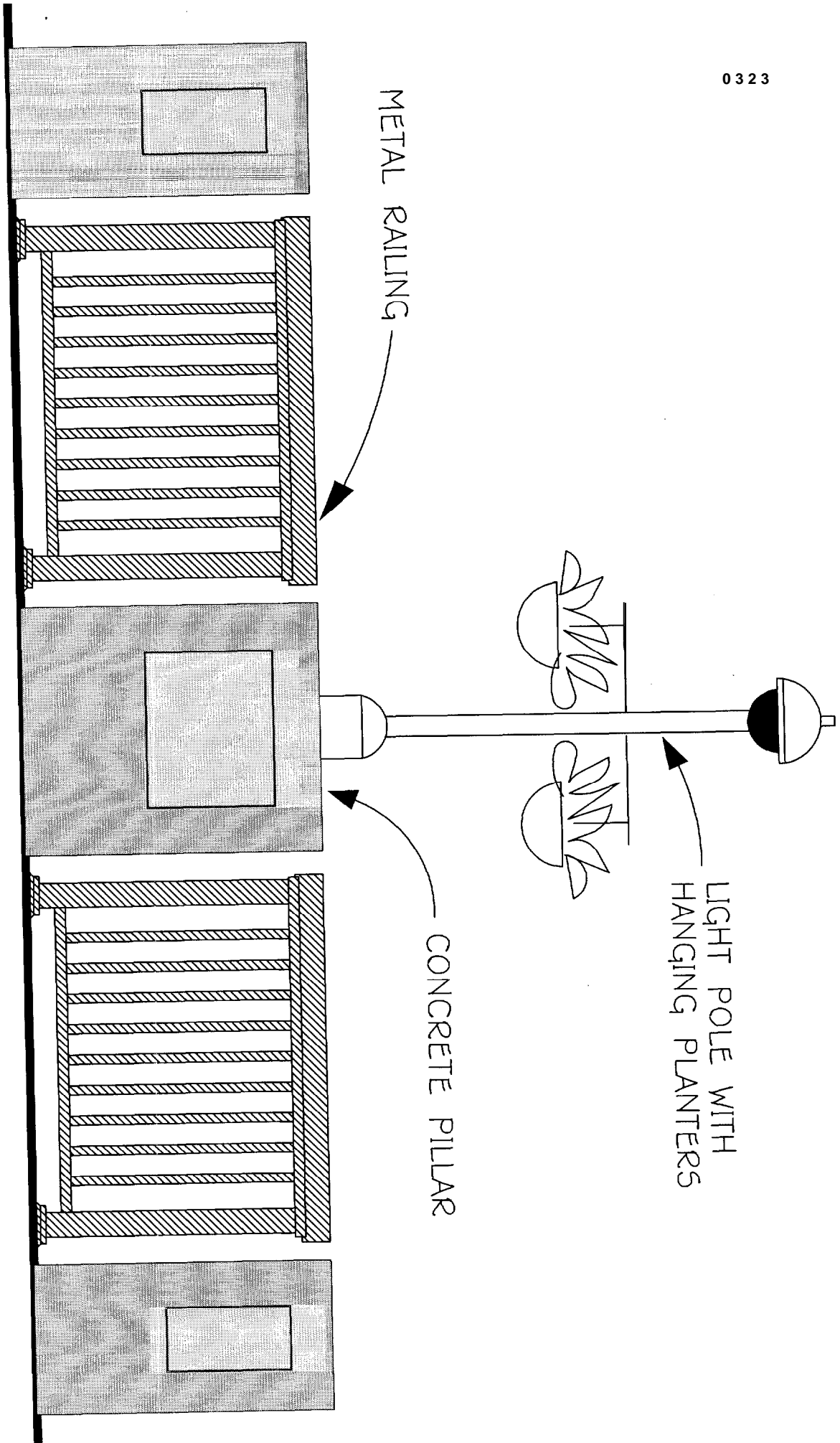
Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Buckland & Taylor, Ltd.
 Redevelopment Department
 Public Works Department



CONCEPTUAL PLAN FOR BRIDGE RAILING

NOT TO SCALE

COUNTY OF SANTA CRUZ
REQUEST FOR APPROVAL OF AGREEMENT

0728

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

FROM: PUBLIC WORKS (Dept.)
[Signature] (Signature) (7/17/00) (Date)

The Board of Supervisors is hereby requested to approve the attached agreement and authorize the execution of the same.

- Said agreement is between the COUNTY OF SANTA CRUZ (Agency)
BUCKLAND & TAYLOR LTD.,
and 101 YGNACIO VALLEY ROAD, SUITE 105, WALNUT CREEK, CA 94596 (Name & Address)
- The agreement will provide FOR ENGINEERING DESIGN SERVICES RELATED TO THE SOQUEL DRIVE (BARGETTO)
BRIDGE PEDESTRIAN RAILING
- The agreement is needed BECAUSE THE WORK CAN BE ACCOMPLISHED MOST ECONOMICALLY AND EXPEDITIOUSLY
BY CONTRACT
- Period of the agreement is from BOARD APPROVAL to JUNE 30, 2001
- Anticipated cost is \$13,600.00 (~~Fixed amount; Monthly rate; Not to exceed~~)
- Remarks: CONTRACT \$13,600; OVERHEAD 7% \$952; TOTAL \$14,552
- Appropriations are budgeted in 621100! 40260! 3860! (Index#) 3590 (Subobject)

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

Appropriations are available and have been encumbered. Contract No. CO 02187 Date 7/18/00
are not available and will be encumbered.
GARY A. KNUTSON, Auditor - Controller
By [Signature] Deputy.

Proposed reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize the ACTING DIRECTOR OF PUBLIC WORKS to execute the same on behalf of the PUBLIC WORKS DEPARTMENT (Agency).

Remarks: _____ (Analyst) By [Signature] County Administrative Officer Date 7/21/00

Agreement approved as to form. Date _____

CDR:mg

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

*To Orig. Dept. if rejected.

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ADM 29 (6/95)

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

INDEPENDENT CONTRACTOR AGREEMENT

THIS CONTRACT is entered into this 1st day of August, 2000 2000, by and between the COUNTY OF SANTA CRUZ, hereinafter called COUNTY, and' **BUCKLAND AND TAYLOR LTD**, hereinafter called CONTRACTOR. The parties agree as follows:

1. DUTIES. CONTRACTOR agrees to exercise special skill to accomplish the following result: Provide design services and engineered plans for the Bargetto (Soquel) Bridge pedestrian railing.

2. COMPENSATION. In consideration for CONTRACTOR accomplishing said result, COUNTY agrees to pay CONTRACTOR as follows: Time and materials not to exceed the amount of \$13,600.00.

3. TERM. ~~the term of this contract shall be: v a l t h r o u g h J u n e~~ 30, 2001.

4. EARLY TERMINATION. Either party hereto may terminate this contract at any time by giving 30 days written notice to the other party.

5. INDEMNIFICATION FOR DAMAGES. TAXES AND CONTRIBUTIONS. CONTRACTOR shall exonerate, indemnify, defend, and hold harmless COUNTY (which for the purpose of paragraphs 5 and 6 shall include, without limitation, its officers, agents, employees and volunteers) from and against:

A. Any and all claims, demands, losses, damages, defense costs, or liability of any kind or nature which COUNTY may sustain or incur or which may be imposed upon it for injury to or death of persons, or damage to property as a result of, arising out of, or in any manner connected with the CONTRACTOR'S **performance** under the terms of this Agreement, excepting any liability arising out of the sole negligence of the COUNTY. Such indemnification includes any damage to the person(s), or **property(ies)** of CONTRACTOR and third persons.

B. Any and all Federal, State and Local taxes, charges, fees, or contributions required to be paid with respect to CONTRACTOR and CONTRACTORS officers, employees and agents engaged in the performance of this Agreement (including, without limitation, unemployment insurance, social security and payroll tax withholding).

6. INSURANCE. CONTRACTOR at its sole cost and expense, for the full term of this Agreement (and any extensions thereof), shall obtain and maintain at a minimum compliance with all of the following insurance coverage(s) and requirements. Such insurance coverage shall be primary coverage as respects COUNTY and any insurance or self-insurance maintained by County shall be excess of CONTRACTOR'S insurance coverage and shall not contribute to it.

If CONTRACTOR utilizes one or more subcontractors in the performance of this Agreement, CONTRACTOR shall obtain and maintain Independent Contractor's Insurance as to each subcontractor or otherwise provide evidence of insurance coverage for each subcontractor

equivalent to that required of CONTRACTOR in this Agreement, unless CONTRACTOR and COUNTY both initial here _____/_____.⁰³²⁶

A. Types of Insurance and Minimum Limits

(1) Worker's Compensation in the minimum statutorily required coverage amounts. This insurance coverage shall not be required if the CONTRACTOR has no employees and certifies to this fact by initialing here _____

(2) Automobile Liability Insurance for each of CONTRACTOR's vehicles used in the performance of this Agreement, including owned, non-owned (e.g. owned by CONTRACTOR's employees), leased or hired vehicles, in the minimum amount of \$500,000 combined single limit per occurrence for bodily injury and property damage. This insurance coverage shall not be required if vehicle use by CONTRACTOR is not a material part of performance of this Agreement and CONTRACTOR and COUNTY both certify to this fact by initialing here _____/_____.

(3) Comprehensive or Commercial General Liability Insurance coverage in the minimum amount of \$1,000,000 combined single limit, including coverage for: (a) bodily injury, (b) personal injury, (c) broad-form property damage, (d) contractual liability, and (e) cross-liability.

(4) Professional Liability Insurance in the minimum amount of \$1,000,000.00 combined single limit, if, and only if, this Subparagraph is initialed by CONTRACTOR and COUNTY PC/_____

B. Other Insurance Provisions

(1) If any insurance coverage required in this Agreement is provided on a "Claims Made" rather than "Occurrence" form, CONTRACTOR agrees to maintain the required coverage for a period of three (3) years after the expiration of this Agreement (hereinafter "post agreement coverage") and any extensions thereof CONTRACTOR may maintain the required post agreement coverage by renewal or purchase of prior acts or tail coverage. This provision is contingent upon post agreement coverage being both available and reasonably affordable in relation to the coverage provided during the term of this Agreement. For purposes of interpreting this requirement, a cost not exceeding 100% of the last annual policy premium during the term of this Agreement in order to purchase prior acts or tail coverage for post agreement coverage shall be deemed to be reasonable.

(2) All required Automobile and Comprehensive or Commercial General Liability Insurance shall be endorsed to contain the following clause:

"The County of Santa Cruz, its officials, employees, agents and volunteers are added as an additional insured as respects the operations and activities of, or on behalf of, the named insured performed under Agreement with the County of Santa Cruz."

(3) All required insurance policies shall be endorsed to contain the following clause:

“This insurance shall not be canceled until after thirty (30) days prior 0327
written notice has been given to: BILL WILLIAMSON
COUNTY OF SANTA CRUZ
PUBLIC WORKS DEPARTMENT
70 1 OCEAN STREET, ROOM 4 10
SANTA CRUZ, CA 95060

(4) CONTRACTOR agrees to provide its insurance broker(s) with a full copy of these insurance provisions and provide COUNTY on or before the effective date of this Agreement with Certificates of Insurance for all required coverages. All Certificates of Insurance shall be delivered or sent to: BILL WILLIAMSON
COUNTY OF SANTA CRUZ
PUBLIC WORKS DEPARTMENT
70 1 OCEAN STREET, ROOM 4 10
SANTA CRUZ, CA 95060

7. EQUAL EMPLOYMENT OPPORTUNITY. During and in relation to the performance of this Agreement, CONTRACTOR agrees as follows:

A. The CONTRACTOR shall not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, physical or mental disability, medical condition (cancer related), marital status, pregnancy, sex, sexual orientation, age (over 18), veteran status or any other non-merit factor unrelated to job duties. Such action shall include, but not be limited to the following: recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training (including apprenticeship), employment, upgrading, demotion, transfer. The CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notice setting forth the provisions of this non-discrimination clause.

B. If this Agreement provides compensation in excess of \$50,000 to CONTRACTOR and if CONTRACTOR employs fifteen (15) or more employees, the following requirements shall apply:

(1) The CONTRACTOR shall, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR' state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, physical or mental disability, medical condition (cancer related), marital status, pregnancy, sex, sexual orientation, age (over 18), veteran status, or any other non-merit factor unrelated to job duties. In addition, the CONTRACTOR shall make a good faith effort to consider Minority/Women/Disabled Owned Business Enterprises in CONTRACTOR's solicitation of goods and services. Definitions for Minority/Women/Disabled Business Enterprises are available from the COUNTY General Services Purchasing Division.

(2) The CONTRACTOR shall furnish COUNTY Affirmative Action Office information and reports in the prescribed reporting format (PER 4012) identifying the sex, race, physical or mental disability and job classification of its employees and the names, dates and methods of advertisement and direct solicitation efforts made to subcontract with Minority/Women/Disabled Business Enterprises.

(3) In the event of the CONTRACTOR'S non-compliance with the non-discrimination clauses of this Agreement or with any of the said rules, regulations, or orders said CONTRACTOR may be declared ineligible for further agreements with the COUNTY.

(4) The CONTRACTOR shall cause the foregoing provisions of this Subparagraph 7B. to be inserted in all subcontracts for any work covered under this Agreement by a subcontractor compensated more than \$50,000 and employing more than fifteen (15) employees, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

8. INDEPENDENT CONTRACTOR STATUS. CONTRACTOR and COUNTY have reviewed and considered the principal test and secondary factors below and agree that CONTRACTOR is an independent contractor and not an employee of COUNTY. CONTRACTOR is responsible for all insurance (workers compensation, unemployment, etc.) and all payroll related taxes. CONTRACTOR is not entitled to any employee benefits. COUNTY agrees that CONTRACTOR shall have the right to control the manner and means of accomplishing the result contracted for herein.

PRINCIPAL TEST: The CONTRACTOR rather than COUNTY has the right to control the manner and means of accomplishing the result contracted for.

SECONDARY FACTORS: (a) The extent of control which, by agreement, COUNTY may exercise over the details of the work is slight rather than substantial; (b) CONTRACTOR is engaged in a distinct occupation or business; (c) In the locality, the work to be done by CONTRACTOR is usually done by a specialist without supervision, rather than under the direction of an employer; (d) the skill required in the particular occupation is substantial rather than slight; (e) The CONTRACTOR rather than the COUNTY supplies the instrumentalities, tools and work place; (f) The length of time for which CONTRACTOR is engaged is of limited duration rather than indefinite; (g) The method of payment of CONTRACTOR is by the job rather than by the time; (h) The work is part of a special or permissive activity, program, or project, rather than part of the regular business of COUNTY; (i) CONTRACTOR and COUNTY believe they are creating an independent contractor relationship rather than an employer-employee relationship; and (j) The COUNTY conducts public business.

It is recognized that it is not necessary that all secondary factors support creation of an independent contractor relationship, but rather that overall there are significant secondary factors which indicate that CONTRACTOR is an independent contractor.

By their signatures to this Agreement, each of the undersigned certifies that it is his or her considered judgment that the CONTRACTOR engaged under this Agreement is in fact an independent contractor.

9. CONTRACTOR represents that its operations are in compliance with applicable County planning, environmental and other laws or regulations.

10. CONTRACTOR is responsible to pay prevailing wages and maintain records as required by Labor Code Section 1770 and following.

11. NONASSIGNMENT. CONTRACTOR shall not assign this agreement ~~without~~⁰³²⁹ the prior written consent of the COUNTY.

12. RETENTION AND AUDIT OF RECORDS. CONTRACTOR shall retain records pertinent to this Agreement for a period of not less than five (5) years after final payment under this Agreement or until a final audit report is accepted by COUNTY, whichever occurs first. CONTRACTOR hereby agrees to be subject to the examination and audit by the Santa Cruz County Auditor-Controller, the Auditor General of the State of California, or the designee of either for a period of five (5) years after final payment under this Agreement.

13. PRESENTATION OF CLAIMS. Presentation and processing of any or all claims arising out of or related to this Agreement shall be made in accordance with the provisions contained in Chapter 1.05 of the Santa Cruz County Code, which by this reference is incorporated herein.

14. ATTACHMENTS. This Agreement includes the following attachments:
Proposal dated January 27, 2000.

IN WITNESS WHEREOF, the parties hereto have set their hands the day and year first above written.

COUNTY OF SANTA CRUZ

By: _____
Director of Public Works

APPROVED AS TO FORM:

By: 
Chief Assistant County Counsel

DISTRIBUTION: Auditor-Controller
Contractor
Public Works

ERS:bbs

BUCB

CONTRACTOR
BUCKLAND & TAYLOR LT

By: 

Address: 101 Ygnacio Valley Rd., Ste. 105
Walnut Creek, CA 94596

Telephone: (925) 472-8600
FAX: (925) 472-8602
E-MAIL www.b-t.com

0330

JPD
FILE 149

BUCKLAND & TAYLOR LTD.
Bridge Engineering

F A X **TRANSMISSION**

101 Ygnacio Valley Road, Suite 105, Walnut Creek, CA 94596 USA
E-mail: sf@b-t.com

Telephone: (510) 472-8600
Fax: (510) 472-8602

Web: www.b-t.com

DATE: 2000 January 27

Our Rsf: 1475

TO: Santa Cruz County

FAX: 408-454-2385

Department of Public Works

TOTAL PAGES: 2

ATTN: Joann

RE: Attachmant A for Billing Rates

MESSAGE:

Joann,

Attached is our Current Billing Rate Schedule (Attachment A). The previous Attachment A Rates expired on November 30, 1999 as indicated. We update our rates due to salary changes on a calendar year basis, December 1st to November 30th.

If you have any questions, please contact ma at (925) 472-8600.

cc: JPD

BUCKLAND & TAYLOR LTD.



Par: P. A. Goryl, Project Manager

ATTACHMENT "A"
Santa Cruz Bridge Replacement Project
Soquel Drive
COST PROPOSAL

Consultant: Buckland & Taylor

Date 00Jan 27

Contract: 81839
 Number

Page 1

Classification	Average Hourly Rate	Direct Labor Over head	Fee/Profit %	Billing Rate	Expiration Date
Principal	\$50.00	159.21%	0%	\$143	00Nov30
Project Manager	\$48.08	\$76.55	\$12.46	\$137	00Nov30
Chief Engineer	\$46.25	\$73.63	\$11.99	\$132	00Nov30
Senior Engineer	\$33.16	\$52.79	\$8.60	\$95	00Nov30
Engineer	\$27.59	\$43.83	\$7.15	\$79	00Nov30
Project Administration	\$29.28	\$46.58	\$7.58	\$84	00Nov30
Cadd	\$25.79	\$41.06	\$6.69	\$74	00Nov30

1. Average hourly rates by classification are shown for the duration of this project or through the rate's expiration date
2. The project cost estimate was developed using the classification and rates for specific personnel that will perform the work.
3. To use unlisted classifications, they must be approved by the Contract Manager and their hourly rates must be agreed to prior to the start of work.
4. Listed below are direct cost items which are not included in overhead and which are anticipated for this contract, with current actual costs per unit. (These items to be paid at actual cost, without markup or fee)
5. The listed rates have been subjected to an informal audit, and adjusted for salary increases
6. Direct cost items that are not included in the cost proposal shall be billed for actual cost and/or shall conform with Caltrans Travel Guide dated January 1998 for non-represented employees.

Schedule of Direct Cost Items			
Description	Unit	Cost	
Printing			
A. Plots (\$20/sht. or \$0.80/sf max)	EA	Actual	
B. letter size (\$.10/sht. max)	EA	Actual	
C. tabloid (8.15/sht. max)	EA	Actual	
Delivery			
A. Overnight (\$25/unit max)	EA	Actual	
B. Courier Service (\$50 max)	EA	Actual	
Travel Expenses			
A. Vehicle Mileage	EA	\$0.32	
B. Rental Car	EA	State Rate	
C. Per Diem	EA	State Rate	
D. Lodging	EA	State Rate	
Computer:			
A. Personnel Computers	Hr.	\$5.00	
Miscellaneous			
A. Photos, Computer Tapes and Disks	EA	Actual	
B. Special Purchase, etc	EA	Actual	

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FILE 11

STATE
COMPENSATION
INSURANCE
FUND

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

DECEMBER 16, 1999

POLICY NUMBER: 1355471 - 99
CERTIFICATE EXPIRES: 8-1-00

RECEIVED
DEC 20 1999

COUNTY OF SANTA CRUZ
PUBLIC WORKS DEPT.
701 OCEAN STREET RM 410
SANTA CRUZ CA 95060

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ³⁰ days' advance written notice to the employer.

We will also give You ³⁰ days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

Tom Hansen

AUTHORIZED REPRESENTATIVE

K. Bollier

PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000 PER OCCURRENCE.

ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 08/01/00 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

BUCKLAND & TAYLOR, LTD. (A CORP.)
101 YGNACIO VALLEY RD. S T E 105
WALNUT CREEK CA 94596

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P-603X

ACORD CERTIFICATE OF LIABILITY INSURANCE

CSR SH
BUCTA-1

DATE (MM/DD/YY)
12/16/99

PRODUCER

urlay, Atkins & Stewart, Inc.
800 Ninth Ave., #1500
Seattle WA 98101

FILE COPY

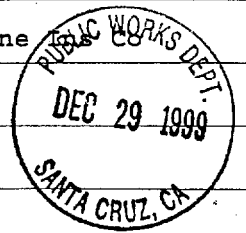
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

Sheri Huntington
Phone No. 206-682-5656 Fax No.
SURED

Buckland & Taylor LTD
c/o Metrix Prof Ins Brokers
Box 15, #1350, 1140 W. Pender
Vancouver BC, Canada V6E4G1

COMPANIES AFFORDING COVERAGE	
COMPANY A	St Paul Fire & Marine
COMPANY B	
COMPANY C	
COMPANY D	

acct file



OVERAGES

0333

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIM

TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT <input checked="" type="checkbox"/> Per Project Agg	RP06645962	11/27/99	11/27/00	GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 PERSONAL & ADV INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 1,000,000 MED EXP (Any one person) \$ 5,000
A AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	RP06645962	11/27/99	11/27/00	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL				WC STATUTORY LIMITS <input type="checkbox"/> OTHER <input type="checkbox"/> EL EACH ACCIDENT \$ EL DISEASE - POLICY LIMIT \$ EL DISEASE - EA EMPLOYEE \$
OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
RE: Operations of the named insured. The certificate holder is an additional insured on the General Liability, but only as respects work performed by the named Insured.

CERTIFICATE HOLDER

CANCELLATION

SANCO-4

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

Santa Cruz County
Attn: Larry Gorley
701 Ocean Street, Room 410
Santa Cruz CA 95060-4070

Sheri Huntington

Sheri Huntington

DESIGN EXCEPTION

0334

Dist: 05 Date: 7-17-00
Co: Santa Cruz Prepared By: Buckland & Taylor & Bill Williamson
Rte: 2416 Project: Bargetto Brdg at Soquel Drive over Soquel Creek
Project Cost: \$2,500,000

1. Existing Conditions

The County of Santa Cruz has commissioned the design of a bridge to replace the existing Soquel Drive Bridge. Frequent debris jams at the existing bridge have led to the decision to replace the bridge to provide an adequate hydraulic opening. The existing bridge was built in 1957 and is a two-span simply supported structure consisting of composite steel plate girders and a reinforced concrete deck section. The center concrete pier is located in the creek channel. The existing bridge is 19.5 meters wide and approximately 36.6 meters long.

2. Proposed Work and Non-Standard Features

The existing two span bridge will be replaced by a single span cast-in-place, post-tensioned concrete bridge, which will eliminate the central pier. The new bridge will be approximately 44 meters long and 21 .93 meters wide. It will consist of four vehicle lanes with bike lanes and sidewalks. The concrete box girder deck will be post-tensioned and is integral with the abutments.

The barrier railing selected has been chosen by the Redevelopment Agency and the Soquel Village Community for use on the replacement bridge due to its aesthetic and visual qualities. The proposed barrier railing will be located on the exterior sides of the bridge sidewalks, to function as a combination traffic and pedestrian railing. The railing will be designed for vehicle and pedestrian loads according to America Association of State Highway and Transportation Officials (AASHTO) Section 13 and Appendix. The proposed barrier railing is not continuous and has not been crash-tested and is different from railings that have been approved through earlier crash-tests.

3. Standard for Which Exception is Required

This design exception is being sought to allow use of the railing without carrying out crash tests.

4. Added cost to make standard

0335

The design engineer was unable to identify any existing AASHTO approved barriers that would provide the aesthetic qualities required by the Redevelopment Agency and the Soquel Village Community. Costs associated with carrying out a crash test are estimated to range between \$250,000 and \$500,000. The timeframe involved in conducting a crash test is extensive, due to the preparatory work of sourcing the test vehicles and constructing the proposed railing and a portion of the bridge deck. It is estimated that at least six months would need to be allowed to prepare and carry out the crash test. The costs and schedule involved in crash testing the proposed barrier railing therefore make this option prohibitive.

5. Description of Any Additional Work to Enhance Safety

The width of the bridge has been increased by approximately 2.4 meters and a non-mountable curb will be added to the bridge to enhance vehicular safety.

6. Reason for Requesting Exception

Use of a standard concrete barrier railing does not meet the aesthetic criteria established by the Redevelopment Agency and the Soquel Village community. To meet this criteria, a non-standard railing with a non-mountable curb has been proposed.

To meet the AASHTO requirements, this railing would need to be subject to extensive crash tests. The high cost and extensive delays involved in such an endeavor are the primary reason for requesting this design exception. It is estimated that carrying out a crash test would postpone this critical project by at least 6 months (through at least one more rainy season). Furthermore, according to our records, there have been no vehicular accidents on the existing bridge.

EXCEPTION APPROVED: _____

DATE _____

Acting Public Works Director

Approved as to Form

D. McIlroe 7-19-00

County Counsel