

**FIRST AMENDMENT
TO PROFESSIONAL SERVICES AGREEMENT NUMBER F000951
WITH HARRIS & ASSOCIATES, INC.**

This First Amendment to Agreement number F000951, dated June 2, 2015 ("Agreement") is made as of this 20th day of SEPTEMBER, 2017, by and between the City of Santa Rosa, a municipal corporation ("City"), and Harris & Associates, Inc., a California corporation ("Consultant").

RECITALS

- A. City and Consultant entered into the Agreement for Consultant to provide construction management services for the Stony Point Road Widening and Reconstruction Phase 2 – Sebastopol Road to Hearn Ave project.
- B. City and Consultant now desire to amend the Agreement for the purpose of extending the time of performance for all required tasks and services.

AMENDMENT

NOW, THEREFORE, the parties agree to amend the Agreement as follows:

1. Section 12. Time of Performance

The last sentence of Section 12 is amended to read as follows:

"Consultant shall complete all the required services and tasks and complete and tender all deliverables to the reasonable satisfaction of City, not later than March 31, 2018."

All other terms of the Agreement shall remain in full force and effect.

Executed as of the day and year first above stated.

CONSULTANT:

Name of Firm: Harris & Associates, Inc.

TYPE OF BUSINESS ENTITY (check one):

Individual/Sole Proprietor


Partnership

Corporation

Limited Liability Company

Other (please specify: _____)

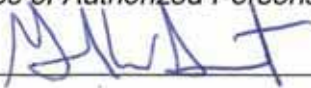
CITY OF SANTA ROSA
a Municipal Corporation

By:  _____

Print Name: JASON NUTT

Title: Director, Transportation and Public Works Department

Signatures of Authorized Persons:

By:  _____

Print Name: Glenn Suitor

Title: Division President, PM/CM

By:  _____

Print Name: Steven D. Winchester

Title: Chief Financial Officer

APPROVED AS TO FORM:

 _____
Office of the City Attorney

City of Santa Rosa Business Tax Cert. No.

316911

**CITY OF SANTA ROSA
PROFESSIONAL SERVICES AGREEMENT
WITH HARRIS & ASSOCIATES, INC.
AGREEMENT NUMBER F000951**

This "Agreement" is made as of this 2nd day of June, 2015, by and between the City of Santa Rosa, a municipal corporation ("City"), and Harris & Associates, Inc., a California Corporation ("Consultant").

RECITALS

- A. City desires to obtain construction management services for the Stony Point Road Widening and Reconstruction Phase 2 – Sebastopol Road to Hearn Ave project.
- B. City desires to retain a qualified firm to conduct the services described above in accordance with the Scope of Services as more particularly set forth in Exhibit A to the Agreement.
- C. Consultant represents to City that it is a firm composed of highly trained professionals and is fully qualified to conduct the services described above and render advice to City in connection with said services.
- D. The parties have negotiated upon the terms pursuant to which Consultant will provide such services and have reduced such terms to writing.

AGREEMENT

NOW, THEREFORE, City and Consultant agree as follows:

1. SCOPE OF SERVICES

Consultant shall provide to City the services described in Exhibit A ("Scope of Services"). Consultant shall provide these services at the time, place, and in the manner specified in Exhibit A. Exhibit A is attached hereto for the purpose of defining the manner and scope of services to be provided by Consultant and is not intended to, and shall not be construed so as to, modify or expand the terms, conditions or provisions contained in this Agreement. In the event of any conflict between this Agreement and any terms or conditions of any document prepared or provided by Consultant and made a part of this Agreement, including without limitation any document relating to the scope of services or payment therefor, the terms of this Agreement shall control and prevail.

2. COMPENSATION

a. City shall pay Consultant for services rendered pursuant to this Agreement at the rates, times and in the manner set forth in Exhibit B. Consultant shall submit monthly statements to City which shall itemize the services performed as of the date of the statement and set forth a progress report, including work accomplished during the period, percent of each task completed, and planned effort for the next period. Invoices shall identify personnel who have worked on the services provided, the number

of hours each worked during the period covered by the invoice, the hourly rate for each person, and the percent of the total project completed, consistent with the rates and amounts shown in Exhibit B.

b. The payments prescribed herein shall constitute all compensation to Consultant for all costs of services, including, but not limited to, direct costs of labor of employees engaged by Consultant, travel expenses, telephone charges, copying and reproduction, computer time, and any and all other costs, expenses and charges of Consultant, its agents and employees. In no event shall City be obligated to pay late fees or interest, whether or not such requirements are contained in Consultant's invoice.

c. Notwithstanding any other provision in this Agreement to the contrary, the total maximum compensation to be paid for the satisfactory accomplishment and completion of all services to be performed hereunder shall in no event exceed the sum of One Million Eight Hundred Sixty-Four Thousand Seven Hundred Twenty-six dollars and Sixteen cents (\$1,864,726.16). The City's Chief Financial Officer is authorized to pay all proper claims from Charge Numbers 17216, 55696 and 70729.

3. DOCUMENTATION; RETENTION OF MATERIALS

a. Consultant shall maintain adequate documentation to substantiate all charges as required under Section 2 of this Agreement.

b. Consultant shall keep and maintain full and complete documentation and accounting records concerning all extra or special services performed by it that are compensable by other than an hourly or flat rate and shall make such documents and records available to authorized representatives of City for inspection at any reasonable time.

c. Consultant shall maintain the records and any other records related to the performance of this Agreement and shall allow City access to such records during the performance of this Agreement and for a period of four (4) years after completion of all services hereunder.

4. INDEMNITY

a. Consultant shall, to the fullest extent permitted by law, indemnify, protect, defend and hold harmless City, and its employees, officials and agents ("Indemnified Parties") from all claims, demands, costs or liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, interest, defense costs, and expert witness fees), that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of Consultant, its officers, employees, or agents, in said performance of professional services under this Agreement, excepting only liability arising from the sole negligence, active negligence or intentional misconduct of City.

b. The existence or acceptance by City of any of the insurance policies or coverages described in this Agreement shall not affect or limit any of City's rights under this Section 4, nor shall the limits of such insurance limit the liability of Consultant hereunder. This Section 4 shall not apply to any intellectual property claims, actions, lawsuits or other proceedings subject to the provisions of Section

17(b), below. The provisions of this Section 4 shall survive any expiration or termination of this Agreement.

5. INSURANCE

a. Consultant shall maintain in full force and effect all of the insurance coverage described in, and in accordance with, Attachment One, "Insurance Requirements." Maintenance of the insurance coverage set forth in Attachment One is a material element of this Agreement and a material part of the consideration provided by Consultant in exchange for City's agreement to make the payments prescribed hereunder. Failure by Consultant to (i) maintain or renew coverage, (ii) provide City notice of any changes, modifications, or reductions in coverage, or (iii) provide evidence of renewal, may be treated by City as a material breach of this Agreement by Consultant, whereupon City shall be entitled to all rights and remedies at law or in equity, including but not limited to immediate termination of this Agreement. Notwithstanding the foregoing, any failure by Consultant to maintain required insurance coverage shall not excuse or alleviate Consultant from any of its other duties or obligations under this Agreement. In the event Consultant, with approval of City pursuant to Section 6 below, retains or utilizes any subcontractors or subconsultants in the provision of any services to City under this Agreement, Consultant shall assure that any such subcontractor has first obtained, and shall maintain, all of the insurance coverages set forth in the Insurance Requirements in Attachment One.

b. Consultant agrees that any available insurance proceeds broader than or in excess of the coverages set forth in the Insurance Requirements in Attachment One shall be available to the additional insureds identified therein.

c. Consultant agrees that the insurance coverages and limits provided under this Agreement are the greater of: (i) the coverages and limits specified in Attachment One, or (ii) the broader coverages and maximum limits of coverage of any insurance policy or proceeds available to the name insureds.

6. ASSIGNMENT

Consultant shall not assign any rights or duties under this Agreement to a third party without the express prior written consent of City, in City's sole and absolute discretion. Consultant agrees that the City shall have the right to approve any and all subcontractors and subconsultants to be used by Consultant in the performance of this Agreement before Consultant contracts with or otherwise engages any such subcontractors or subconsultants.

7. NOTICES

Except as otherwise provided in this Agreement, any notice, submittal or communication required or permitted to be served on a party, shall be in writing and may be served by personal delivery to the person or the office of the person identified below. Service may also be made by mail, by placing first-class postage, and addressed as indicated below, and depositing in the United States mail to:

City Representative:

Clay Thistle, Assoc. Civil Engineer
Dept. of Transportation and Public Works
City of Santa Rosa
69 Stony Circle
Santa Rosa, CA 94901
Phone: (707) 543-3855

Consultant Representative:

Ernest Ezeoha, P.E, Construction Manager
Harris & Associates, Inc.
1401 Willow Pass Road, Suite 500
Concord, CA 94520
Phone: (925) 827-4900

8. INDEPENDENT CONTRACTOR

a. It is understood and agreed that Consultant (including Consultant's employees) is an independent contractor and that no relationship of employer-employee exists between the parties hereto for any purpose whatsoever. Neither Consultant nor Consultant's assigned personnel shall be entitled to any benefits payable to employees of City. City is not required to make any deductions or withholdings from the compensation payable to Consultant under the provisions of this Agreement, and Consultant shall be issued a Form 1099 for its services hereunder. As an independent contractor, Consultant hereby agrees to indemnify and hold City harmless from any and all claims that may be made against City based upon any contention by any of Consultant's employees or by any third party, including but not limited to any state or federal agency, that an employer-employee relationship or a substitute therefor exists for any purpose whatsoever by reason of this Agreement or by reason of the nature and/or performance of any services under this Agreement.

b. It is further understood and agreed by the parties hereto that Consultant, in the performance of Consultant's obligations hereunder, is subject to the control and direction of City as to the designation of tasks to be performed and the results to be accomplished under this Agreement, but not as to the means, methods, or sequence used by Consultant for accomplishing such results. To the extent that Consultant obtains permission to, and does, use City facilities, space, equipment or support services in the performance of this Agreement, this use shall be at the Consultant's sole discretion based on the Consultant's determination that such use will promote Consultant's efficiency and effectiveness. Except as may be specifically provided elsewhere in this Agreement, the City does not require that Consultant use City facilities, equipment or support services or work in City locations in the performance of this Agreement.

c. If, in the performance of this Agreement, any third persons are employed by Consultant, such persons shall be entirely and exclusively under the direction, supervision, and control of Consultant. Except as may be specifically provided elsewhere in this Agreement, all terms of employment, including hours, wages, working conditions, discipline, hiring, and discharging, or any other terms of employment or requirements of law, shall be determined by Consultant. It is further understood and agreed that Consultant shall issue W-2 or 1099 Forms for income and employment tax purposes, for all of Consultant's assigned personnel and subcontractors.

d. The provisions of this Section 8 shall survive any expiration or termination of this Agreement. Nothing in this Agreement shall be construed to create an exclusive relationship between

City and Consultant. Consultant may represent, perform services for, or be employed by such additional persons or companies as Consultant sees fit.

9. ADDITIONAL SERVICES

Changes to the Scope of Services shall be by written amendment to this Agreement and shall be paid on an hourly basis at the rates set forth in Exhibit B, or paid as otherwise agreed upon by the parties in writing prior to the provision of any such additional services.

10. SUCCESSORS AND ASSIGNS

City and Consultant each binds itself, its partners, successors, legal representatives and assigns to the other party to this Agreement and to the partners, successors, legal representatives and assigns of such other party in respect of all promises and agreements contained herein.

11. TERM, SUSPENSION, TERMINATION

a. This Agreement shall become effective on the date that it is made, set forth on the first page of the Agreement, and shall continue in effect until both parties have fully performed their respective obligations under this Agreement, unless sooner terminated as provided herein.

b. City shall have the right at any time to temporarily suspend Consultant's performance hereunder, in whole or in part, by giving a written notice of suspension to Consultant. If City gives such notice of suspension, Consultant shall immediately suspend its activities under this Agreement, as specified in such notice.

c. City shall have the right to terminate this Agreement for convenience at any time by giving a written notice of termination to Consultant. Upon such termination, Consultant shall submit to City an itemized statement of services performed as of the date of termination in accordance with Section 2 of this Agreement. These services may include both completed work and work in progress at the time of termination. City shall pay Consultant for any services for which compensation is owed; provided, however, City shall not in any manner be liable for lost profits that might have been made by Consultant had the Agreement not been terminated or had Consultant completed the services required by this Agreement. Consultant shall promptly deliver to City all documents related to the performance of this Agreement in its possession or control. All such documents shall be the property of City without additional compensation to Consultant.

12. TIME OF PERFORMANCE

The services described herein shall be provided during the period, or in accordance with the schedule, set forth in Exhibit A. Consultant shall complete all the required services and tasks and complete and tender all deliverables to the reasonable satisfaction of City, not later than September 2017.

13. STANDARD OF PERFORMANCE

Consultant shall perform all services performed under this Agreement in the manner and according to the standards currently observed by a competent practitioner of Consultant's profession in California. All products of whatsoever nature that Consultant delivers to City shall be prepared in a professional manner and conform to the standards of quality normally observed by a person currently practicing in Consultant's profession, and shall be provided in accordance with any schedule of performance. Consultant shall assign only competent personnel to perform services under this Agreement. Consultant shall notify City in writing of any changes in Consultant's staff assigned to perform the services under this Agreement prior to any such performance. In the event that City, at any time, desires the removal of any person assigned by Consultant to perform services under this Agreement, because City, in its sole discretion, determines that such person is not performing in accordance with the standards required herein, Consultant shall remove such person immediately upon receiving notice from City of the desire of City for the removal of such person.

14. CONFLICTS OF INTEREST

Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, that would conflict in any manner with the interests of City or that would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor, without the written consent of City. Consultant agrees to avoid conflicts of interest or the appearance of any conflicts of interest with the interests of City at all times during the performance of this Agreement.

15. CONFLICT OF INTEREST REQUIREMENTS

a. **Generally.** The City's Conflict of Interest Code requires that individuals who qualify as "consultants" under the Political Reform Act, California Government Code sections 87200 *et seq.*, comply with the conflict of interest provisions of the Political Reform Act and the City's Conflict of Interest Code, which generally prohibit individuals from making or participating in the making of decisions that will have a material financial effect on their economic interests. The term "consultant" generally includes individuals who make governmental decisions or who serve in a staff capacity.

b. **Conflict of Interest Statements.** The individual(s) who will provide services or perform work pursuant to this Agreement are "consultants" within the meaning of the Political Reform Act and the City's Conflict of Interest Code:

yes no (check one)

If "yes" is checked by the City, Consultant shall cause the following to occur within 30 days after execution of this Agreement:

- (1) Identify the individuals who will provide services or perform work under this Agreement as "consultants"; and

- (2) Cause these individuals to file with the City Clerk the assuming office statements of economic interests required by the City's Conflict of Interest Code.

Thereafter, throughout the term of the Agreement, Consultant shall cause these individuals to file with the City Clerk annual statements of economic interests, and "leaving office" statements of economic interests, as required by the City's Conflict of Interest Code.

The above statements of economic interests are public records subject to public disclosure under the California Public Records Act. The City may withhold all or a portion of any payment due under this Agreement until all required statements are filed.

16. CONFIDENTIALITY OF CITY INFORMATION

During performance of this Agreement, Consultant may gain access to and use City information regarding inventions, machinery, products, prices, apparatus, costs, discounts, future plans, business affairs, governmental affairs, processes, trade secrets, technical matters, systems, facilities, customer lists, product design, copyright, data, and other vital information (hereafter collectively referred to as "City Information") that are valuable, special and unique assets of the City. Consultant agrees to protect all City Information and treat it as strictly confidential, and further agrees that Consultant shall not at any time, either directly or indirectly, divulge, disclose or communicate in any manner any City Information to any third party without the prior written consent of City. In addition, Consultant shall comply with all City policies governing the use of the City network and technology systems. A violation by Consultant of this Section 16 shall be a material violation of this Agreement and shall justify legal and/or equitable relief.

17. CONSULTANT INFORMATION

a. City shall have full ownership and control, including ownership of any copyrights, of all information prepared, produced, or provided by Consultant pursuant to this Agreement. In this Agreement, the term "information" shall be construed to mean and include: any and all work product, submittals, reports, plans, specifications, and other deliverables consisting of documents, writings, handwritings, typewriting, printing, photostating, photographing, computer models, and any other computerized data and every other means of recording any form of information, communications, or representation, including letters, works, pictures, drawings, sounds, or symbols, or any combination thereof. Consultant shall not be responsible for any unauthorized modification or use of such information for other than its intended purpose by City.

b. Consultant shall fully defend, indemnify and hold harmless City, its officers and employees, and each and every one of them, from and against any and all claims, actions, lawsuits or other proceedings alleging that all or any part of the information prepared, produced, or provided by Consultant pursuant to this Agreement infringes upon any third party's trademark, trade name, copyright, patent or other intellectual property rights. City shall make reasonable efforts to notify Consultant not later than ten (10) days after City is served with any such claim, action, lawsuit or other proceeding, provided that City's failure to provide such notice within such time period shall not relieve Consultant of its obligations hereunder, which shall survive any termination or expiration of this Agreement.

c. All proprietary and other information received from Consultant by City, whether received in connection with Consultant's proposal, will be disclosed upon receipt of a request for disclosure, pursuant to the California Public Records Act; provided, however, that, if any information is set apart and clearly marked "trade secret" when it is provided to City, City shall give notice to Consultant of any request for the disclosure of such information. Consultant shall then have five (5) days from the date it receives such notice to enter into an agreement with the City, satisfactory to the City Attorney, providing for the defense of, and complete indemnification and reimbursement for all costs (including plaintiff's attorneys' fees) incurred by City in any legal action to compel the disclosure of such information under the California Public Records Act. Consultant shall have sole responsibility for defense of the actual "trade secret" designation of such information.

d. The parties understand and agree that any failure by Consultant to respond to the notice provided by City and/or to enter into an agreement with City, in accordance with the provisions of subsection c, above, shall constitute a complete waiver by Consultant of any rights regarding the information designated "trade secret" by Consultant, and such information shall be disclosed by City pursuant to applicable procedures required by the Public Records Act.

18. MISCELLANEOUS

a. Entire Agreement. This Agreement contains the entire agreement between the parties. Any and all verbal or written agreements made prior to the date of this Agreement are superseded by this Agreement and shall have no further effect.

b. Modification. No modification or change to the terms of this Agreement will be binding on a party unless in writing and signed by an authorized representative of that party.

c. Compliance with Laws. Consultant shall perform all services described herein in compliance with all applicable federal, state and local laws, rules, regulations, and ordinances, including but not limited to, (i) the Americans with Disabilities Act of 1990 (42 U.S.C. 12101, et seq.) ("ADA"), and any regulations and guidelines issued pursuant to the ADA; and (ii) Labor Code sections 1720, et seq., which require prevailing wages (in accordance with DIR determinations at www.dir.ca.gov) be paid to any employee performing work covered by Labor Code sections 1720 et seq. Consultant shall pay to the City when due all business taxes payable by Consultant under the provisions of Chapter 6-04 of the Santa Rosa City Code. The City may deduct any delinquent business taxes, and any penalties and interest added to the delinquent taxes, from its payments to Consultant.

d. Governing Law; Venue. This Agreement shall be governed, construed and enforced in accordance with the laws of the State of California. Venue of any litigation arising out of or connected with this Agreement shall lie exclusively in the state trial court in Sonoma County in the State of California, and the parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such court, and consent to service of process issued by such court.

e. Waiver of Rights. Neither City acceptance of, or payment for, any service or performed by Consultant, nor any waiver by either party of any default, breach or condition precedent,

shall be construed as a waiver of any provision of this Agreement, nor as a waiver of any other default, breach or condition precedent or any other right hereunder.

f. Incorporation of attachments and exhibits. The attachments and exhibits to this Agreement are incorporated and made part of this Agreement, subject to terms and provisions herein contained.

19. AUTHORITY; SIGNATURES REQUIRED FOR CORPORATIONS

Consultant hereby represents and warrants to City that it is (a) a duly organized and validly existing corporation, formed and in good standing under the laws of the State of California, (b) has the power and authority and the legal right to conduct the business in which it is currently engaged, and (c) has all requisite power and authority and the legal right to consummate the transactions contemplated in this Agreement. Consultant hereby further represents and warrants that this Agreement has been duly authorized, and when executed by the signatory or signatories listed below, shall constitute a valid agreement binding on Consultant in accordance with the terms hereof.

If this Agreement is entered into by a corporation, it shall be signed by two corporate officers, one from each of the following two groups: a) the chairman of the board, president or any vice-president; b) the secretary, any assistant secretary, chief financial officer, or any assistant treasurer. The title of the corporate officer shall be listed under the signature.

Executed as of the day and year first above stated.

CONSULTANT:

CITY OF SANTA ROSA
a Municipal Corporation

Name of Firm: Harris & Associates, Inc.

TYPE OF BUSINESS ENTITY (check one):

- Individual/Sole Proprietor
- Partnership
- Corporation
- Limited Liability Company
- Other (please specify: _____)

By: _____

Print Name: Sean McGlynn

Title: City manager

Signatures of Authorized Persons:

APPROVED AS TO FORM:

By: Christopher J. Dunne

Angie Caragunda, Atty

Print Name: Christopher J. Dunne

Office of the City Attorney

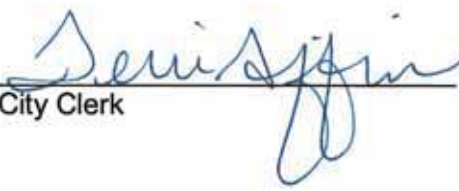
Title: Vice President

By: 

Print Name: Gary S. Wohl

Title: President & CFO

ATTEST:


City Clerk

City of Santa Rosa Business Tax Cert. No.
316911

Attachments:

- Attachment One - Insurance Requirements
- Exhibit A - Scope of Services
- Exhibit B - Compensation

**ATTACHMENT ONE
INSURANCE REQUIREMENTS FOR
PROFESSIONAL SERVICES AGREEMENTS**

A. Insurance Policies: Consultant shall, at all times during the terms of this Agreement, maintain and keep in full force and effect, the following policies of insurance with minimum coverage as indicated below and issued by insurers with AM Best ratings of no less than A-:VI or otherwise acceptable to the City.

Insurance	Minimum Coverage Limits	Additional Coverage Requirements
1. Commercial general liability	\$ 2 million per occurrence \$ 4 million aggregate	Coverage must be at least as broad as ISO CG 00 01 and must include completed operations coverage. If insurance applies separately to a project/location, aggregate may be equal to per occurrence amount. Coverage may be met by a combination of primary and umbrella or excess insurance but umbrella and excess shall provide coverage at least as broad as specified for underlying coverage. Coverage shall not exclude subsidence.
2. Business auto coverage	\$ 1 million	ISO Form Number CA 00 01 covering any auto (Code 1), or if Consultant has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$ 1 million per accident for bodily injury and property damage.
3. Professional liability (E&O)	\$ 1 million per claim \$ 2 million aggregate	Consultant shall provide on a policy form appropriate to profession. If on a claims made basis, Insurance must show coverage date prior to start of work and it must be maintained for three years after completion of work.
4. Workers' compensation and employer's liability	\$ 1 million	As required by the State of California, with Statutory Limits and Employer's Liability Insurance with limit of no less than \$ 1 million per accident for bodily injury or disease. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the City for all work performed by the Consultant, its employees, agents and subcontractors.

B. Endorsements:

1. All policies shall provide or be endorsed to provide that coverage shall not be canceled, except after prior written notice has been provided to the City in accordance with the policy provisions.

2. Liability, umbrella and excess policies shall provide or be endorsed to provide the following:
 - a. For any claims related to this project, Consultant's insurance coverage shall be primary and any insurance or self-insurance maintained by City shall be excess of the Consultant's insurance and shall not contribute with it; and,
 - b. **The City of Santa Rosa, its officers, agents, employees and volunteers are to be covered as additional insureds on the CGL policy.** General liability coverage can be provided in the form of an endorsement to Consultant's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used.
- C. **Verification of Coverage and Certificates of Insurance:** Consultant shall furnish City with original certificates and endorsements effecting coverage required above. Certificates and endorsements shall make reference to policy numbers. All certificates and endorsements are to be received and approved by the City before work commences and must be in effect for the duration of the Agreement. The City reserves the right to require complete copies of all required policies and endorsements.
- D. **Other Insurance Provisions:**
 1. No policy required by this Agreement shall prohibit Consultant from waiving any right of recovery prior to loss. Consultant hereby waives such right with regard to the indemnitees.
 2. All insurance coverage amounts provided by Consultant and available or applicable to this Agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement limits the application of such insurance coverage. Defense costs must be paid in addition to coverage amounts.
 3. Policies containing any self-insured retention (SIR) provision shall provide or be endorsed to provide that the SIR may be satisfied by either Consultant or City. Self-insured retentions above \$10,000 must be approved by City. At City's option, Consultant may be required to provide financial guarantees.
 4. Sole Proprietors must provide a representation of their Workers' Compensation Insurance exempt status.
 5. City reserves the right to modify these insurance requirements while this Agreement is in effect, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Exhibit "A"

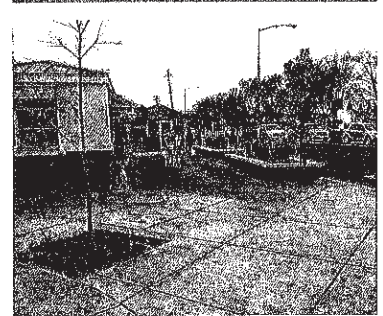
CITY OF SANTA ROSA

CONSTRUCTION MANAGEMENT SERVICES FOR STONY POINT ROAD

RECONSTRUCTION AND WIDENING PHASE 2

SEBASTOPOL ROAD TO HEARN AVENUE

March 17, 2015



Harris & Associates.



Table of Contents

2. Introduction	3
Introduction and General Description of Services	3
Overview of Understanding	4
Objectives to be Achieved	4
Approach to Accomplishing Objectives.....	5
3. Scope of Work	16
4. Personnel	30
Resumes.....	30
Firm's Organizational Structure.....	30
Location of the Office Where Staff Would be Located to Manage this Project	30
Other Pertinent Staff Information.....	30
5. Schedule.....	48
6. References	49
City of Santa Rosa	49
City of South San Francisco.....	52
County of Mendocino	53
7. Proposed Fee	54



Harris & Associates.

Contact Information
Brett Barnett, PE, CCM, QSD
Harris & Associates
P: (800) 827-4901, ext. 2350
C: (949) 246-4472
Brett.Barnett@WeAreHarris.com

March 17, 2015

Clay Thistle, Associate Civil Engineer
City of Santa Rosa
69 Stony Circle
Santa Rosa, CA 95401

**RE: Construction Management Services for Stony Point Road
Reconstruction and Widening (Phase 2) - Sebastopol Road
to Hearn Avenue**

Dear Mr. Thistle:

The completion of the Stony Point Road Reconstruction and Widening (Phase 2) will enhance mobility, safety, and access for the City of Santa Rosa (City), a popular destination "where everything comes together." Harris has been tracking this project, meeting with the City and the community, and studying planned improvements (new utilities, various water services, sewer main, storm drain, and traffic signal upgrades). The Stony Point Road project will require a team of **construction management leaders who have an established level of trust with the City and an in-depth understanding of the applicable Caltrans requirements used by the City during construction.**

Your confidence in Harris' leadership is demonstrated through the **recent 8-module construction management training course** Project Director **Brett Barnett, PE, CCM, QSD** provided to City inspectors and construction managers. Through this training, we were able to present our best practices and cultivate a collaborative environment of shared learning with your staff. This was a fulfilling experience for all participants and we look forward to working together to use these tools and techniques to improve the future of the Santa Rosa community.

Harris has delivered some of your most high profile projects, including the **award-winning 6th Street Undercrossing (delivered two months ahead of schedule)** and Farmers Lane/Highway 12 Partial Interchange. Our success on both projects demonstrates Harris' knowledge and responsiveness to Caltrans District 4 standards and procedures and our strong ties to the Santa Rosa community. Similar to the Stony Point project, construction took place in active transportation corridors. Resident Engineer **Ernest Ezeoha, PE, TE, QSD** worked hand-in-hand with City staff and the community to mitigate construction impacts and develop long term relationships, ultimately resulting in projects that achieved acceptance from the public. Ernest has a deep appreciation for the Santa Rosens, a unique and vibrant community that takes pride in being "*in the middle of everything.*" As such, clear and constant communication with residents and stakeholders (Southgate Plaza businesses, and Robert L. Stevens Elementary School) will be central to our approach in managing the Stony Point Reconstruction project. Furthermore, Ernest is a registered traffic engineer and most of his assignments have involved projects directly for Caltrans (with 12 years as a Caltrans Resident Engineer) or within the Caltrans right-of-way. This knowledge provides fewer demands on City staff time.

The Harris team is excited for the opportunity to deliver even more success stories that the City of Santa Rosa can call their own. We look forward to discussing our specific approach and innovations for the successful completion of the Stony Point Road Reconstruction.

Sincerely,
Harris & Associates

Brett Barnett, PE, CCM, QSD
Project Director

Chris Dunne
Vice President, Practice Leader - Construction



2. INTRODUCTION

Introduction and General Description of Services

For more than 40 years, Harris has provided construction management, inspection, and contract administration services to public agencies, including the City of Santa Rosa and Caltrans. As part of delivery of these services, Harris provides our clients with the following:

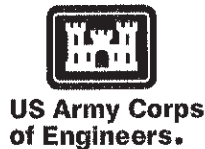
- Biddability and constructability reviews
- Scheduling
- Estimating
- Budgeting and cost control
- Program development
- Public outreach
- Master scheduling
- Financial systems
- Accounting systems
- Document control and reporting
- Cost reporting
- Program standards
- Cash flow projections and analysis
- Value engineering
- Claims mitigation and resolution
- Inspection
- Resident engineering
- In-house training

Harris performs a wide variety of projects such as:

- Widening existing highways and railroad bridges
- Construction of new and widening of existing bridges
- Interchange reconstruction
- Storm drainage improvements
- Median concrete barriers, under drains, and sub-ballasts
- Underground electrical
- Signalized intersections
- Walls (conventional, special foundations, and mechanically stabilized earth (MSE) walls)
- Traffic control, construction staging, and construction signage
- Utility undergrounding and joint trench facilities
- Utility coordination
- Caltrans Local Assistance procedures
- Environmental mitigation/hazardous waste disposal
- Intelligent transportation systems
- Bus rapid transit

We have worked closely with nearly every regulatory and permitting agency including, but not limited to:

- Caltrans
- Regional Water Quality Control Board
- Department of Fish and Wildlife
- National Marine and Fisheries Service
- Coastal Commission
- Bay Conservation and Development Commission
- US Army Corps of Engineers



CALIFORNIA
COASTAL
COMMISSION



Overview of Understanding

The City of Santa Rosa has been undergoing tremendous growth. Consequently, traffic on US 101 freeway and major corridors has dramatically increased. The Stony Point Road Reconstruction and Widening Phase 2 project will reconstruct and widen Stony Point Road, a major north-south, high density traffic arterial, to a two-lane with two-way left-turn lane in the middle from Barndance Avenue to Hearn Avenue and four-lane corridor from Hearn Avenue to Sebastopol Road. The project will:

- Alleviate traffic jams, enhance safety and mobility, and improve connectivity between the northern and southern sections of the City
- Facilitate safe, free-flowing movement of vehicular, pedestrian, and bicycle traffic along Stony Point Road, particularly in the section along the two-lane roadway
- Connect discontinuous or non-existent sidewalk and bicycle lanes and highlight the beautiful juxtaposition of open space, residential, and mixed-use corridor with splendid landscape improvements
- Widen the Roseland Creek box culvert to prevent flooding and make extensive intersection, beautification and infrastructure improvements
- Major work elements include:
 - Demolition and reconstruction of most of the existing roadway
 - Grinding and repaving sections of the roadway
 - Widening of Roseland Creek Bridge by installing a 10-foot by 6-foot 94-linear-foot prefabricated cement culvert box to the north of the existing culvert with the construction of associated wing wall and headwall, riprap, 12-inch storm drain, and riparian vegetation
 - Construction of 375-feet of retaining wall
 - Construction of 825-feet of sound wall
 - Construction of new sidewalk and ADA ramps
 - Installation of new and modifications to the existing storm drain systems

- Installation of bio-retention areas
- Installation of sewer main and laterals
- Installation of new and modifications of traffic signals at six intersections
- Landscaping work
- Installation of fire hydrants and lateral assemblies
- Streetlight improvements
- New signing and traffic striping

Objectives to be Achieved

PROJECT OBJECTIVES

- Deliver a superior project to the citizens of Santa Rosa in a safe, cost effective, and timely manner.
- Provide a staffing approach that includes personnel who are dependable, flexible, and responsive to the City's needs, minimizing City staff time spent on the project.
- Develop a public outreach and communication plan for the community and all stakeholders.
- Approve and implement an effective, safe, and detailed traffic control plan to minimize impacts to the public.
- Mitigate issues to maintain construction schedule.
- Provide creative solutions to project challenges including funding. Utilize NewForma to track costs on the project.
- Observe and document construction to confirm compliance with contract documents, and permitting agencies' standards and procedures.
- Be effective custodians and vanguards of the environment by confirming compliance with environmental requirements.

Approach to Accomplishing Objectives

Flexible and Responsive Staffing Approach

The Stony Point Road Reconstruction and Widening project is a highly visible, invasive, and impactful project. Given its significance, we have assembled a team with specialized Caltrans and local experience to deliver your project. Using our past relationships and knowledge with the City and permitting agencies, we will work with all team members so that the project is constructed in accordance with the plans and specifications and all permit and cooperative agreement requirements are satisfied.

From our experience working with Santa Rosa staff on Construction Management Training, 6th Street, and Farmers Road, we learned the most important attributes required for success in Santa Rosa: collaboration, communication and responsiveness.

Resident Engineer **Ernest Ezeoha**, PE, TE, QSD will be assigned virtually full time to your project. As the primary point-of-contact, he will report directly to City Project Manager Clay Thistle, and interface with City Inspector Mimi Arvin. Ernest will coordinate with third-party agencies and stakeholders, working with Jacqueline Majors of J Majors & Associates for public relations support to gain trust and support of the affected community, and keep them informed. **Ernest and his team's priority will be to be responsive to the needs of both Santa Rosa and the project.** If there is an issue, our team will respond immediately to resolve the issue with Santa Rosa and appropriate project stakeholders. By acting immediately, we protect the quality of the project.

Inspector **Tereso Rodriguez** will also be full time on the Stony Point Road project, and will be responsible for inspection of daily construction activities. His duties include interfacing with the roadway contractor, documentation, and constant communication with Ernest Ezeoha to mitigate challenges. In order to meet the schedule, the contractor may utilize multiple crews and conduct night work. Inspector **Bob Comacho** will support the team when construction activities increase. Ernest Ezeoha, Tereso Rodriguez, and Bob Comacho will coordinate materials testing and sampling with the City materials laboratory. Ernest, Tereso, and Bob have

worked on many projects together at Harris throughout their careers so their familiarity with one another will be a benefit to the City.

Martin Errecart, our electrical inspector, will be brought in intermittently for electrical related activities such as traffic signalization and lighting work. Marty will also be utilized for specialized activities like installation of the traffic controller cabinet assemblies and for quality assurance of other electrical work. Marty and Ernest recently completed Metropolitan Transportation Commission (MTC)'s Ramp Metering and Traffic Operations System Improvements project on SR-4 and SR-242 and Alameda County Transportation Commission (ACTC)'s Webster Street SMART Corridor project.

The team will be supported by **Chaudhary & Associates** (construction staking), and NCRM (biological services), **J Majors & Associates** (public outreach), and **Drake Haglan and Associates** (environmental and archeological services). Our subconsultants were selected for their proven track record for excellent services and past success with us in delivering superior services to clients. A Harris administrative assistant **Tracy Bradford** will provide necessary administrative and document control support.

We believe that having a project office in close proximity to the project site enables quick response and resolution to project issues and minimizes delays to the project schedule. To that end, Harris will retain a field office space within or in close proximity to the project site to manage the construction of the project.

Public Outreach and Communication

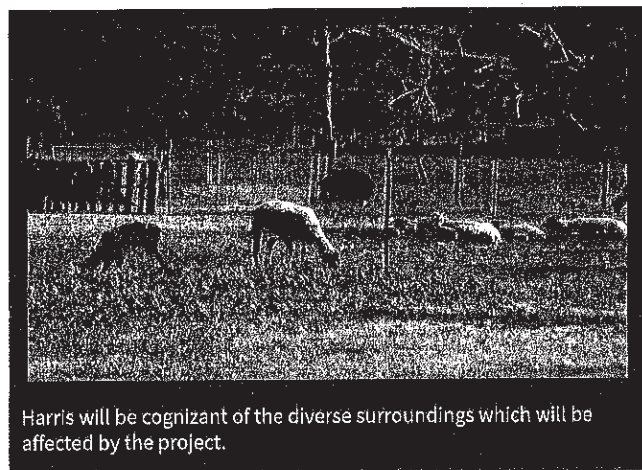
The project will impact traffic routines and residential accesses. Keeping businesses, residents, and the public informed of construction activities in advance by establishing a project information source is important to minimizing calls to City Hall and the Public Works Department. The Harris team will establish a project website and use social media, newsletters, door-hangers, portable message signs, and daily face-to-face interactions to provide advance notifications of construction activities that will impact traffic, business operations, and access to adjacent properties.

To kick off our public outreach program, Resident Engineer Ernest Ezeoha and inspectors will walk the neighborhood with our public outreach subconsultant, J Majors & Associates, to introduce themselves to the community. Ernest has strong connections with the Santa Rosa community and recognizes the importance in speaking directly with the businesses and meeting the neighbors. On Santa Rosa's 6th Street project, Ernest's communication efforts won the commendation of Bobby Sariaslani, the owner of the City205 property abutting the project site. Similar efforts were employed on the Farmers Lane/Highway 12 Partial Interchange Project and similar projects in the cities of South San Francisco, Sausalito, Mill Valley, Richmond, among others. These communication plans proved to mitigate adverse public relations issues and achieved early public buy-in and support of the projects.

On the Stony Point project, Ernest Ezeoha and Jacqueline Majors will distribute fact sheets about the project and advise the local homeowner associations and other interested parties how to stay informed.



Harris will provide public outreach to residents to keep them aware of potential construction impacts to the community.



Harris will be cognizant of the diverse surroundings which will be affected by the project.

Stakeholder Coordination

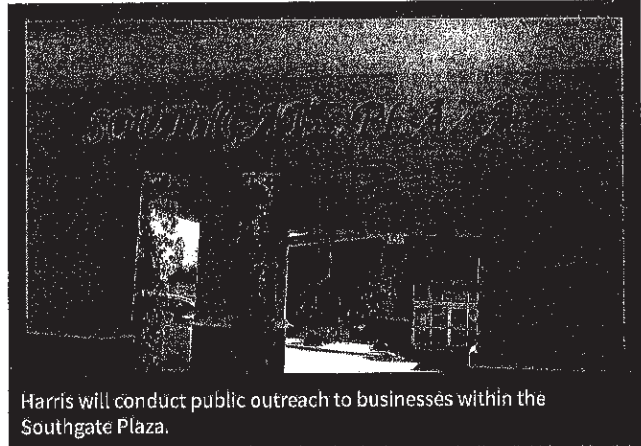
Harris will notify all stakeholders of construction activities impacting access to properties and parking. Stakeholders include:

- Business in NorthPoint Business Park and Southgate Plaza
- Tenants at Stony Point Apartment, NorthPoint Village, and Stony Ranch
- Churches (Calvary Assembly of God Church, 1st United Methodist Church, and The Church of Jesus Christ of Latter-Day Saints)

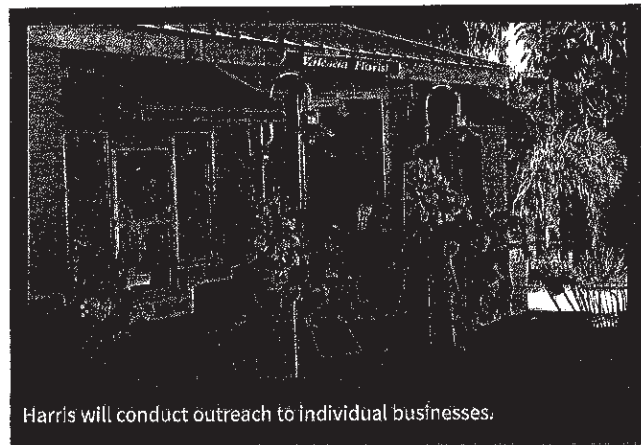
Special outreach will also be needed for the schools (such as Robert L. Steven Elementary School) within the project limits to develop and implement safe school routes during construction.

Ernest Ezeoha and Public Outreach subconsultant Jacqueline Majors have experience providing outreach and communication to schools. The Harris team will share information with school staff so students and families can be aware of construction activities near the school. The Harris team will combine our public outreach efforts with any other standing or proposed public outreach program initiated by the City. This will include providing information to the Public Works/Utilities Department website “Construction Activity Bulletin” and providing monthly project website analytics to City Project Manager Clay Thistle. Communication will also be disseminated to Santa Rosa CityBus as the project will affect the Route 15 Stony Point Road and Route 9 Sebastopol Road routes.

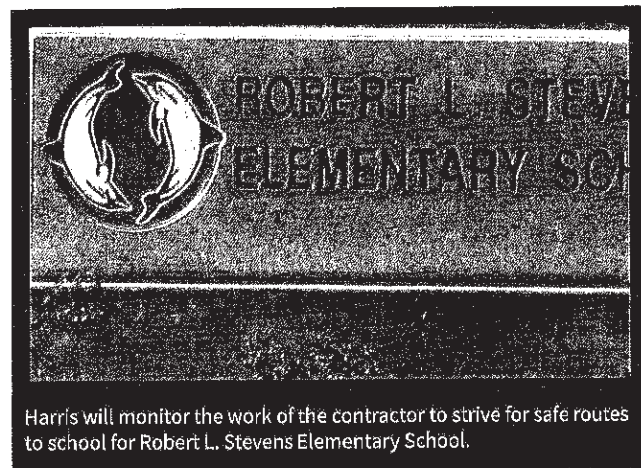
A significant number of Harris’ transportation projects are in Caltrans right-of-way. Our team strength is our knowledge and experience in working with Caltrans processes and applicable provisions used by the City. Both the Farmers/Lane Partial Interchange project and the Sixth Street Undercrossing Improvement project were in Caltrans right-of-way. The Harris team has a vast experience in bridges and structures constructed within bodies of water. We have experience of the requirements of the various permitting agencies including the California Fish and Wildlife, Regional Water Quality Control Board (RWQCB), United States Army Corps of Engineers (USACE), and the National Marine Fisheries Service (NMFS).



Harris will conduct public outreach to businesses within the Southgate Plaza.



Harris will conduct outreach to individual businesses.



Harris will monitor the work of the contractor to strive for safe routes to school for Robert L. Stevens Elementary School.

Traffic Control and Safety

Stony Point Road is a critical north-south arterial traveling through areas of high-volume vehicular traffic and fronted by residences, businesses, schools, and churches. The project involves extensive underground and demolition work during reconstruction of the roadway. This will require the disruption of the traffic routine on Stony Point Road.

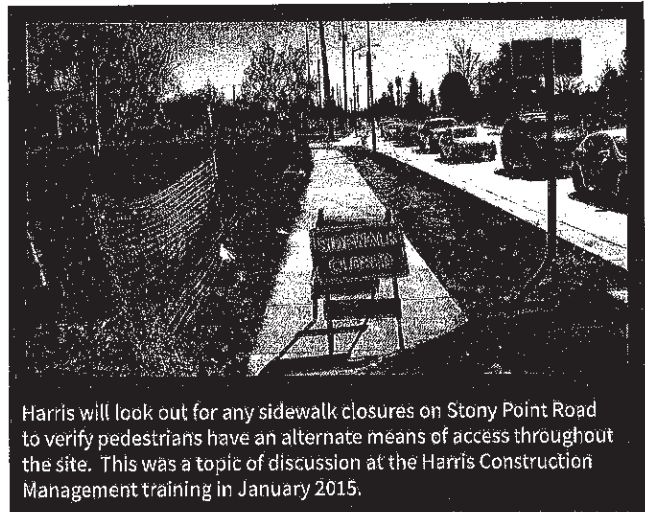
Traffic will be detoured, controlled, and sections of the roadway and side streets sometimes closed. Some of the construction work and detours may only be done at night. Public safety is of paramount importance. The Harris team is aware of the potential of traffic accidents and incidents in a long span construction site, with invasive operations and activities such as underground work and paving. Harris will establish an effective and safe construction staging and traffic handling plans with the contractor to better control the project and maintain the schedule. As a registered traffic engineer, Ernest is very familiar with the details required for a comprehensive traffic handling plan. On the 6th Street project, Ernest worked closely with Rob Sprinkle, City Traffic Engineer, to develop and implement effective and safe traffic control plans. He can work with City designers to suggest approaches to effectively stage the work and maintain traffic safety of the Stony Point project.

During our field reviews we observed that significant traffic back-ups occur on Stony Point Road at the approaches to Sebastopol Road during morning and evening peak hours. These existing conditions require careful review of any traffic control plan the construction contractor submits for approval. It also affects how safely some of the contract work can be performed, such as night work (if necessary and approved) demolition, installation of the box culvert, sound wall, retaining wall and striping work. Harris will use our extensive knowledge of traffic control plans and procedures to manage the work in the best interest of the public and the City and confirm that all pertinent agencies are informed of any necessary lane closures.

As construction begins, there will be significant public interest in the activities, particularly the demolition work. Harris will carefully review the safety plan to keep the public from accessing the work site during and after work hours and provide a safe, convenient, and ADA-compliant temporary pedestrian pathway around construction area.

As veterans of urban construction, the Harris team recognizes the significance of ADA compliance. ADA compliance was emphasized recently at the Santa Rosa Construction Management training in January when Project Director Brett Barnett introduced methods to maintain access to businesses and residents, particularly in an urban environment.

As a registered traffic engineer, Ernest has managed a number of projects for the City. He understands Caltrans' rules and regulations regarding safety and traffic handling and control. Each member of the team will maintain compliance to the project's Code of Safe Practices, and Emergency Response Procedures established by the City, Caltrans, and the contractor. The team will review and monitor the contractor's traffic control plans.



Harris will look out for any sidewalk closures on Stony Point Road to verify pedestrians have an alternate means of access throughout the site. This was a topic of discussion at the Harris Construction Management training in January 2015.



Clear traffic control plans will need to be implemented to avoid confusion and maintain safety during construction.

Schedule

One of the first orders of work will require the contractor to provide the proof of ordering and establishing the arrival time of long-lead items such as traffic signal poles, street lights, and other manufactured items. Having these items on-site and available when needed will eliminate materials delay, particularly the signalization and lighting work.

Given that 300 working days is the specified duration to complete the project, it is projected that if construction were to start in June 2015, the project will be completed in August of 2016, without considering inclement weather impact. To achieve this deadline, the contractor may need to work multiple crews and perform some night work. Weekend work may be necessary as well.

Consequently, it is imperative that undergrounding of utilities and Rule 20A work currently being performed by PG&E is completed before construction starts, minimizing the threat of right-of-way and third-party delay claims by the contractor. An estimate schedule of the work is contained in Section 5.

Knowledge and Responsiveness to Caltrans and City Construction Standards

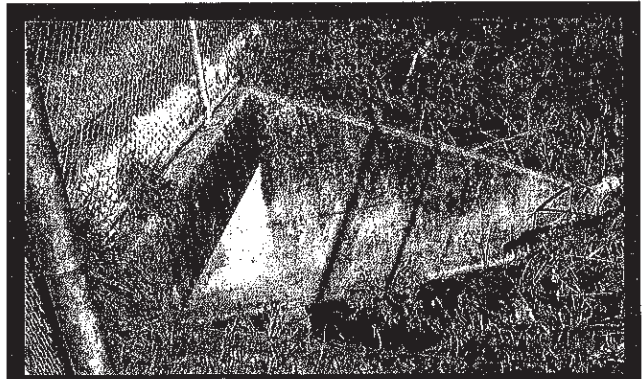
Harris understands the importance of being well-versed in City of Santa Rosa and applicable Caltrans policies and procedures, as well as industry best practices. Our team has developed quality assurance procedures and presented training to Santa Rosa staff, and follows all applicable standards and guidelines, including the Caltrans Construction Manual and Bulletins, California Test Methods Manual, Manual of Uniform Traffic Control Devices, Manual of Traffic Controls for Construction and Maintenance Work Zones, Caltrans Standard Specifications and Standard Plans, and Caltrans Local Assistance Procedures Manual (LAPM), and City of Santa Rosa Construction Administration Manual. Each member of the team will comply with the project's Code of Safe Practices and the Emergency Response Procedures established by the City, and the contractor. Furthermore, Harris has years of experience working for and with the City and Caltrans District 4 as employees, on-call consultants, and owner's representatives for public improvements requiring Caltrans oversight.

Benefit: Both Ernest Ezeoha and Brett Barnett were Caltrans employees and have followed Caltrans policies and procedures for the City or on behalf of agencies for their entire careers.

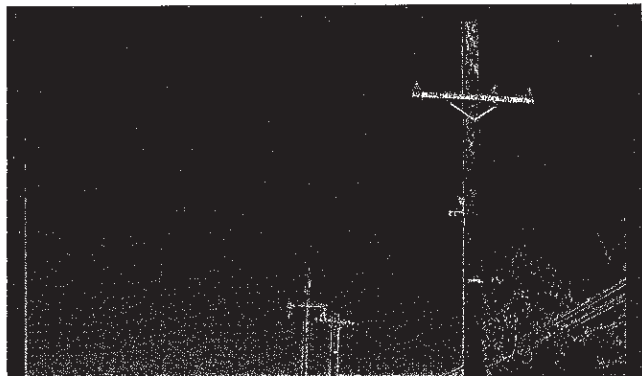
Utilities and Structures

Utility coordination reviews are critical to identifying potential site, sequencing, and schedule conflicts that may generate right-of-way delays. Ernest Ezeoha will work with the Fire Department to maintain adequate fire protection in the removal and installation of the fire hydrants shown on the plans. He will also work with the City and contractor to ensure that application for service connection to the traffic signal and irrigation system controllers are made and supplied in a timely manner by PG&E. Adjustment of the various utility boxes may require coordination with the utility companies. Ernest will chair coordination meetings with all affected utilities at the early stages of the project. He will confirm and verify that planned utility connection, removal, protection, and tie-in schedules are consistent with the project requirements. He will monitor utility company work and address all issues until all utility work is completed.

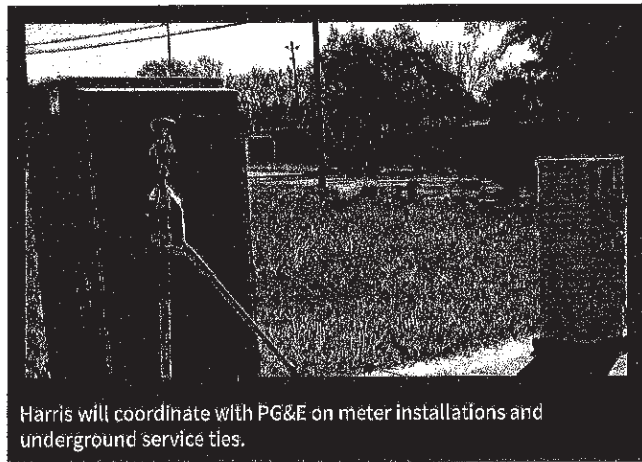
The project is spread over a 1-mile span along Stony Point Road and includes significant underground storm and sewer installation and modification work and the installation of about 825-linear-feet of sound wall and about 375-linear-feet of retaining wall. Potential conflict issues with existing utilities and resolution will be highlighted in the coordination meetings.



Box culvert installation will occur at Roseland Creek which must protect sensitive habitat.



Harris will coordinate with PG&E on utility relocation on Stony Point Road to accommodate road widening.



Harris will coordinate with PG&E on meter installations and underground service ties.

Environmental Protection

Central to achieving the expeditious completion and full use of Stony Point Road is the widening of the Roseland Creek Bridge. To protect fish and wildlife resources, the contractor is allowed to work within the creek between June 15 and October 15 by California Department of Fish and Wildlife (CDFW). To meet this requirement, ordering and constructing of the pre-fabricated cement culvert and the associated wing wall and headwall, riprap, and 12-inch storm drain work will have to be a first order work so the project is not delayed. Harris has included NCRM to provide biologists, and Drake Haglan & Associates to provide arborist, qualified archaeologist, and environmental staff to work with the core Construction Management team to focus on confirming the contractor satisfies all environmental requirements and to monitor the work near Roseland Creek.

Three areas within the project area were identified to have the potential to pose hazardous material concern during construction. Harris will work with the contractor so that a comprehensive Site Safety and Health Plan is prepared and implemented prior to initiating any earth-moving activities at the project site. During the project risk assessment/constructability review that Harris performed, we found that no contract item for the preparation of Lead Compliance Plan was present in the project documents. Harris will work with contractor so that all required and necessary documents are submitted to enhance the project.



Harris will utilize a Drake Haglan Arborist to monitor the health of heritage trees located along the road alignment.



NCRM will conduct biological monitoring to protect nesting birds.



NCRM will conduct biological monitoring to protect Raptors which may be present at the site.



In addition to motorists, pedestrians and bicyclists must be provided safe access along Stony Point Road, local streets, and in the vicinity of churches and Robert L. Stevens School.

Site Safety

We will enforce confined space requirements, hearing conservation requirements, Cal/OSHA requirements, trench and shoring requirements, and hazardous materials requirements. Anyone who works at or visits the project site must be properly dressed with safety hats, orange/lime green vests, and construction boots and has read the Code of Safe Practices. We will work with the contractor to enforce compliance with all elements of the permit from the City and permitting agencies, including limiting equipment and materials storage within the City's right-of-way and notification of the closure of any traveled way to the Fire Department, Communications Center, Sonoma County Transit, Golden Gate Transit, West County Transportation Agency, and Santa Rosa City Bus as prescribed in the Special Provisions. Special attention will be paid to night work and traffic control. If necessary and approved, COZEEP will be used to aid in safe management of public traffic. The Harris team has been part of numerous successful projects with impeccable safety records. We are proud of our excellent track record for safety as demonstrated on the 6th Street Undercrossing Improvements project and Highway 12/Farmer's Lane Partial Interchange project in Santa Rosa. The projects were successfully completed without any safety incident or traffic accident.

Document Control

Document control will be performed per Section 16 of the Caltrans LAPM to the satisfaction of the City. The Harris team will use NewForma, a state-of-the-art electronic document control system, or any other software recommended by the City. NewForma is ideal for capturing real-time documentation, tracking issues, submittals, requests for information, change orders, correspondence, issues, and potential claims. It provides us with the ability to retrieve and manage all project-related issues and documents from anywhere. Our filing system will conform to the LAPM procedures. NewForma will also be used to maintain accurate records of work progress and contract item quantity tracking. This information can be segregated to track separate funding sources and entered into the City's Project Cost spreadsheet for processing monthly progress payments to the contractor.

Ernest Ezeoha will take the lead on all document control responsibilities, including:

- Change order management – preparation of independent cost estimates and justifications.
- Submittal tracking and control – logs for use at weekly progress meetings.
- Requests for Information management – logs for use at weekly progress meetings.
- Progress payment processing – preparation of progress pay estimates per finding source.
- Coordination with utility companies and permitting agencies – records of actions and correspondence.
- Preparation of close-out documents – final reports, materials summaries and certification.
- Project files can be maintained at the City's offices on Stony Point Road or at a remote office near the project site.

Benefit of using Harris: At the Santa Rosa Construction Management training in January, our Project Director Brett Barnett, a Certified Construction Manager, delivered a comprehensive presentation outlining policies and procedures regarding changes, claims, and overall contact management. Brett presented real-world examples from his extensive background as well as standard industry practice experience relating to Documentation and Contract Management.

Using NewForma, or a program designated by the City, we will develop a submittal list for distribution to the contractors, design engineers, and the utilities. Suspense submittal logs will be provided at each coordination meeting. Harris will follow up on all submittals that are nearing the end of the review period, and question the contractor if he has not provided re-submittals of shop drawings that either have been rejected or require additional information before the submittal may be approved for inclusion in the work. The following steps will be followed in reviewing the contractor's shop drawings:

- Log into NewForma all submittals by Specification number.
- Confirm the contractor has submitted a complete submittal, has been coordinated with other trades and all deviations have been noted. Submittal is returned to the contractor if it is not complete.
- Construction manager continues review for general compliance with the specification.
- Submittal is forwarded to design engineer for formal review and acceptance.
- Submittal is forwarded to an affected utility agency (when required).
- Submittals are returned to Harris and the submittal status is logged into NewForma.
- Submittals are returned to the contractor for use in work.
- Harris to inform contractor if a re-submittal is required.

- Submittal reviews performed or coordinated by Harris will include, but not be limited to:
- CPM Baseline and monthly updates.
- Erosion and sediment control plan (SWPPP) submittal.
- Contractor Traffic Control Plan.
- Signal, lighting, and electrical shop drawings.
- Aggregate base gradation.
- Asphalt concrete mix design.
- Trenching and shoring plan.
- Soundwall shop drawings.
- Retaining wall shop drawings.
- Site Safety and Health Plan

Deliverables:

- Submittal log
- Timely processing of submittals to avoid delays in procurement and processes



Harris can offer numerous tools and techniques for documentation like using NewForma through the use tablets (left). This was discussed earlier this year at the Santa Rosa Construction Management training (right).

Identification of Potential Uncertainties

The Harris team has met with the City's project team, Clay Thistle and Mimi Arvin, to gain insight into their expectations for the project. Their primary goal is to construct a superior project in a safe, cost effective, and timely manner. The Harris team kept this goal in mind while reviewing the project plans and documents and visiting the project site. We conducted a cursory biddability and constructability review (see our risk assessment table on the following page), and have identified some of the significant challenges.

Uncertainties that are typically not addressed in the project plans or the specifications can affect timely completion of project. Items of uncertainty may include:

- Site conditions, such as unsuitable subgrade, that differ from what was disclosed in the contract documents. No one is sure what we will find at the new retaining wall and sound wall foundations. Conditions such as perched water may be encountered.
- PG&E is currently at the site performing Rule 20A underground work. It is plausible that work may not be entirely complete before the Stony Point Road reconstruction begins. This could potentially impact construction progress on the project. Third-party work that affects contractor's work or schedule, could include:
 - Utility relocation/removal/installation at various locations on Stony Point Road and PG&E, AT&T, cable support during the adjustment of electrical boxes and energizing of service cabinets. There are also agency/vendor-furnished materials such as the City-furnished controller and cabinet to take into consideration. The contractor may not be allowed to start traffic signal work until the evidence of order and receipt of traffic signal and light poles are on site, but it may be necessary to allow the contractor to start just to make sure the project is completed on time.
- Unknown, man-made buried objects such as abandoned hazardous objects or cultural artifacts could be encountered during construction, as was the case on the 6th Street project where three abandoned steel pilings and numerous unidentified pipes were discovered. It is doubtful that we would

encounter hazardous materials under the existing roadways, but it is prudent to consider such scenarios as was highlighted in the environmental site assessment report of three areas within the project area that were identified to have the potential to pose hazardous material concern during construction.

- Labor disputes or strikes.
- Acts of nature, such as the weather. The work is expected to occur over 300 working days with projected completion date by August 9, 2016, if construction were to start on June 1, 2015. If the winter of 2015/2106 is significantly wet, construction work could be impacted or delayed.

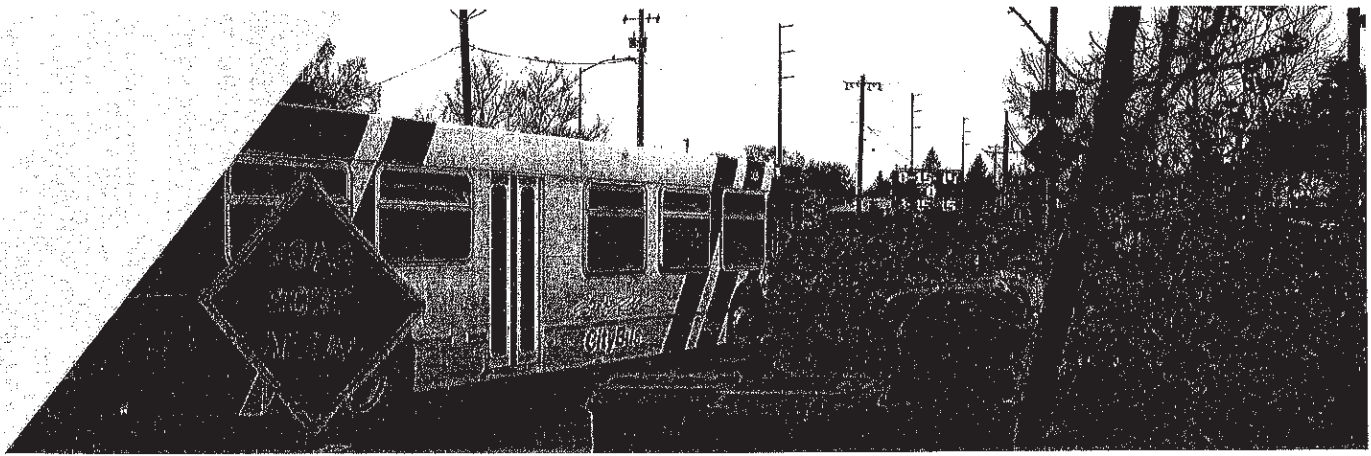
The approach the Harris team has previously used in dealing with these types of uncertainties includes:

- Developing a contingency plan to work around issues and minimize impact to schedule.
- Getting City and Design Engineer/Specialists involved early on resolution of issues.
- Interceding on behalf of the City and contractor by calling and coordinating with pertinent utility companies or vendors.
- Resolving the issue first by negotiating extra costs as an extension of contract item at contract unit price; second, extra work at agreed lump sum amount or agreed adjustment of compensation/contract unit price; and lastly, as extra work at force account.
- Instituting the concept of partnering – either formal or informal to resolve issues at the lowest level and to establish an escalation ladder to help resolve differences.

By thinking ahead of various uncertain scenarios that can be encountered and having a resolution roadmap and toolbox, the Harris team has been successful in keeping our projects on budget and on time.

Elements	Comments	Risk Assessment
Project Plans		
Stage/Phase Construction Plans	There are no staging/phasing construction plans for the project. This opens up the issue of potential conflict between contractor's proposed staging/phasing plans and the City/Resident Engineer's view of best way to stage and construct the project. It is recommended that best concept staging/phasing plans by the designer be included in the bid project plans and contractor be allowed to request changes as a contract change order or Cost Reduction Incentive Proposal (CRIP) request.	
Traffic Handling Plans	Similar issues with the staging/phasing plans apply to the traffic handling plans. There is none in the bid project plans. It is recommended that best concept traffic handling plans by the designer be included in the bid project plans and contractor be allowed to request changes which must be approved by the City/Resident Engineer as required per Section 12-1.02, Traffic Control Plan, of the Special Provisions.	
Utility Plans - Sheets U-101 thru U-111	For each of the new 60-inch manholes there is a reference to Note: U-19 which references Santa Rosa Detail-400, which is a 48-inch/60-inch precast/CIP manhole. The plan also references Detail 1 Sheet U-501 not Detail 1 Sheet C-501 as referenced on the project plans, since Detail 1 is non-existent on Sheet C-501, which is a saddle type manhole which creates an issue which will need to be clarified as to which detail is applicable at the pre-construction meeting or during construction. Most of the new manholes appear to be located on top of the existing storm drain system, so Detail 1/U-501 should be the correct detail.	
Utility Plans - Sheets U-101 thru U-111	Note U-26, Detail 1, C-501 not shown.	
Utility Plans - Sheet U-501	The 8-inch Sanitary Sewer line at Station 43+92 is missing invert elevation on profile drawing.	
Civil Plans - Sheets C-125 & C-126	Note C19 - Install Asphalt Concrete Surface, shown on East Side of the Stony Point Road between Sta. 34+70 and Sta 43+75 is not matching with pavement detail shown on sheet G-006 and Sheet G-007. The exact limits of Note C19 should be shown on both Civil Drawing Sheets and Typical Sections.	
Civil Plans - Sheet C-130	Sta 63+50 Match Line see "DWG U-129" should be "DWG C-129" instead.	
Demolition Plans - Sheet D-104	Sta 27+50 Match Line see "DWG U-103" should be "DWG D-103" instead.	
Demolition Plans - Sheet D-105	Sta 33+50 Match Line see "DWG U-104" should be "DWG D-104" instead.	
Project Specifications		
Order of Work	No stipulation of First Order Work for: Obtaining of necessary permits e.g. WDID # from RWQCB before clearing and grubbing Placement of order of long lead item electrical equipment e.g. signal and lighting poles Conformance to stages of construction of work Conformance to traffic handling plans	
Item No. 20, Utility Conflict Resolution	Payment method should be made Contract Item Unit Price or Lump Sum and a Final Pay Item. Force Account payment method is used when there is no agreement to using contract item unit price or adjustment of contract item unit price payment methods. To the extent that contractor knows how much a force account item is, s/he will try to exhaust it.	
Item No. 47, Groundwater Treatment Allowance	Payment method should be made Contract Item Unit Price or Lump Sum and a Final Pay Item. Force Account payment method is used when there is no agreement to using contract item unit price or adjustment of contract item unit price payment methods. To the extent that contractor knows how much a force account item is, s/he will try to exhaust it.	
Lead Compliance Plan	There is no item for lead compliance plan for removal yellow thermoplastic striping, treated wood waste from the removal of MBGR, and potential removal of Asbestos	

 Minor Risk
 High Risk



3. SCOPE OF WORK

Harris' scope of services is tailored to the City's request and needs in order to deliver superior value to the city. The scope of construction management and inspection services includes the following with descriptions for each task and its deliverables.

Task 1: Preconstruction

Task 1.1: Public Outreach and Relationships

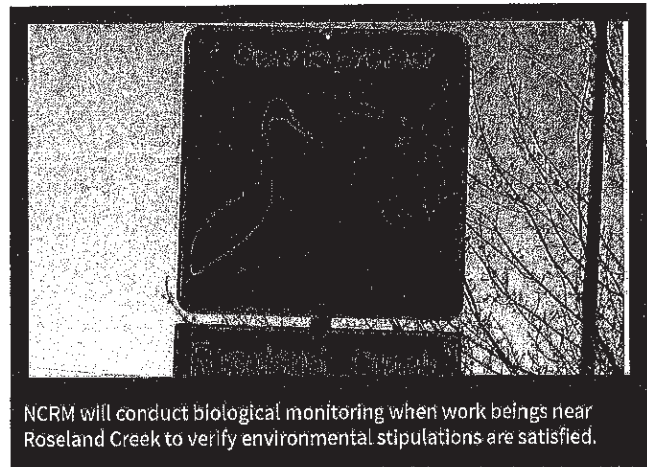
Task 1.1.01: Manage Stakeholder Communications and Public Information

J Majors and Associates is uniquely positioned to assist the City and construction management team with outreach to the public, businesses, schools, churches and the media. The goal of this communication strategy is to assist the City to provide coordinated, timely, and effective communication to its key audiences, leading to a better understanding and appreciation of the benefit of the project. The plan links specific communications strategies to anticipated project impacts by articulating key messages, identifying target audiences and describing methods to educate and engage those audiences.

J Majors and Associates will assist the CM team to set out and implement a Communications Work Plan. Multiple methods of communication (website, annual reports, fact sheets, presentations, press releases, fliers and mailers, newspaper ads, information boards, public meetings and milestone celebrations) ensure that the City's audiences receive messages through methods that best suit their information preferences and, therefore, are most likely to resonate. J Majors and Associates is poised to provide public outreach support as-needed on a quick turn-around basis to address unforeseen challenges and seize on opportunities as they arise.

Task 1.1.02: Publish an Article in the Press Democrat about the Project

J Majors and Associates and CM team will work with City to have a local newspaper such as the Press Democrat to publish an article about the project discussing features, benefits, impacts of the project before the start of construction.



NCRM will conduct biological monitoring when work begins near Roseland Creek to verify environmental stipulations are satisfied.

Deliverables:

- An article about the project published in the Press Democrat

Task 1.1.03: Conduct a Community Outreach Meeting

J Majors and Associates and Ernest will work with the City to hold a public outreach meeting inviting businesses and residents that will be impacted by construction work.

Deliverables:

- Meeting minutes and questions and answers
- Sign-in sheet
- Upload of meeting minutes and questions and answers to project website

Task 1.1.04: Stage Changeable Message Signs at Strategic Locations Warning of Start of Construction

The Contractor will be directed to stage changeable message signs at Sebastopol Road and Hearn Boulevard warning of the start of construction to provide visual warning, remove element of surprise and reinforce other notification methods.

Deliverables:

- 2 Changeable Message Sign staged at Sebastopol Road and Hearn Avenue

Task 1.1.05: Establish a Project Website

Establish a project website to provide online information and updates about the project on a weekly basis

Deliverables:

- Project website: www.srstonypt.com

Task 1.1.06: Establish a Project Facebook/ Twitter Address

Establish a project Facebook and Twitter address to provide real time push and exchange of project information and construction activities to the public

Deliverables:

- Project Twitter handle: @srstonypt

Task 1.1.07: Establish a Project Hot/Post Call Line

Establish a project post call line to the community and businesses with pre-recorded messages of road closures, impacts and reminders in English and Spanish

Deliverables:

- Construction impact messages

Task 1.1.08: Hand Deliver and Mail Notice of Start of Construction

Mail and hand deliver notice of start of construction to the community and businesses describing construction features, schedule, and potential impacts

Deliverables:

- Notice of Start of Construction

Task 1.1.09: Meet Face-to-Face with Businesses and Residents

J Majors & Associates staff (English and Spanish speaking) with the CM team walk the project site to meet face-to-face with business owners and residents

to get acquainted and discuss construction features, schedule, and potential impacts and address their questions and concerns

Deliverables:

- Visits to business owners and residents

Task 1.1.10: Groundbreaking Ceremony

Assist the City in performing Groundbreaking ceremony, if desired.

Deliverables:

- As requested by the City

Task 1.2: Manage Application and Compliance to All Environmental Requirements

Task 1.2.01: Agency Coordination

Prior to initiating construction, DHA's biologist will coordinate between the City and Permitting agencies to document and provide proof of purchase of mitigation credits. Copies of bills of sale will be provided to the Permitting agencies at least 30 days prior to the initiation of construction.

DHA's biologist will also coordinate with the Permitting agencies to submit qualifications and contact information to obtain approval (in writing) to work on the proposed project.

DHA's biologist will also coordinate with the Permitting agencies at least 14 days prior to the start of covered activities and document compliance will all pre-project conditions and approvals.

After issuance of the 401 permit, Drake Haglan will coordinate with the Water Control Board to receive the project WDID # and will set up a SMARTS account to upload the project NOI, annual reports and NOT.

Task 1.2.02: Conduct Pre-Construction Surveys and Habitat Delineation

In coordination with CDFW, DHA's qualified biologist will conduct pre-construction surveys for nesting raptors, other migratory bird species, California tiger salamander, and Northwestern pond turtle no more than 14 days prior to the initiation of disturbance. Surveys for nest migratory birds will be conducted within suitable habitat within 150 feet of the construction area.

A brief technical memorandum will be prepared and submitted to CDFW documenting the findings of the survey. If construction activities are delayed and more than 21 days has passed since the initial survey, a second survey will have to be conducted within 48 hours of the new construction start time.

Prior to the start of construction activities, DHA's biologist will work with the City's construction contractor to delineate the boundaries of the project area within the permitting agencies jurisdiction, delineate and sign sensitive habitat and the installation of silt fencing. Habitat and limits of work will be delineated using orange silt fencing or equivalent.

Task 1.2.03: Assist City with Tree Removal Permit

After completion of the nesting bird survey, DHA's biologist will work with the City to complete the City of Santa Rosa Tree Removal Application. The application will state the number if any, and identify the location of each tree and heritage tree to be removed. A City tree removal permit is valid for a period of 60 days from the date of issuance.

Prior to construction, DHA's biologist will work with the City's construction contractor to delineate the dipline of heritage trees to be retained.

Task 1.2.04 Conduct Worker Environmental Awareness Program (WEAP) Training

DHA's qualified biologist and archaeologist will conduct WEAP training for all on-site personnel prior to the commencement of materials staging or ground disturbing activities. The training will explain to construction workers how best to avoid impacts to special-status species and potential subsurface archaeological finds.

It will also include topics on species identification, life history, descriptions, and habitat requirements during various life stages. Handouts with illustrations, photographs, and project mapping showing areas where minimization and avoidance measures will be included as part of this education program.

In addition, DHA's qualified biologist and archaeologist will maintain a construction-monitoring notebook on-site throughout the construction period, which will include a copy of the ITP (for biology only) with attachments and a list of signatures of all personnel who have successfully completed the education program.

Task 1.3: Inspection, Contract Administration and Resident Engineering

Task 1.3.01: Conduct City/Designer/CM In-house Pre-construction Meeting

Prior to conducting the general preconstruction meeting with the contractor and other stakeholders, Harris & Associates will schedule and conduct an in-house meeting with key City staff, Designer and subconsultants to identify issues, and compose an agenda for the general preconstruction meeting.

Deliverables:

- Meeting minutes that become part of project records
- City staff and the Construction Management team define potential project issues, solutions and uniform goals to be presented to the contractor at the general preconstruction meeting.

Task 1.3.02: Perform Pre-Construction Project Site Reviews

Using digital still and video cameras, the Resident Engineer Ernest Ezeoha and Inspectors Tereso Rodriguez and Bob Comacho, will record the conditions of the existing project site and area of new construction before the contractor starts work and after the work is complete. This documentation is a useful tool in identifying and/or assigning ownership of pre-construction site conditions such as pre-existing damage (broken sidewalks, cracks in buildings, existing drainage appurtenances, removed signs, etc.), stormwater flows, erosion, salvage items, conform areas, debris, pedestrian and vehicle traffic impacts, location of existing mailboxes and adjacent area conditions that may be affected by the project construction. The contractor's progress will also be recorded during construction, with a special focus on items and/or conditions that have or may have a bearing on claimed extra work. Subsurface soil conditions will be recorded where applicable. Digital photographs will be logged and have captions noting the date they were taken, direction, and initials of the inspector taking the photograph, and a brief description with the photograph.

Deliverables:

- Factual, visual record of project progress and conditions that can be used in issue resolution

Task 1.3.03: Conduct Pre-construction Conference

The pre-construction conference provides an understanding of the procedures to be used on the project and what the contractor can expect from the City and Resident Engineer. The pre-construction conference outlines project specifics, reinforces stakeholders and individual responsibilities, informs the contractor of the City project administration procedures, fosters a partnering agreement, and provides a forum to discuss and clarify outside agency permits and requirements that may affect the contractor's operations.

Essential project participants from the City, Harris, the designer, the contractor and subcontractors, utility companies, emergency response agencies, and other affected regulatory agencies will be invited to attend. A master contact list will be generated prior to start of construction to aid in efficient project communication.

Ernest Ezeoha will schedule the meeting, prepare an agenda, chair, and take minutes of the pre-construction meeting. This meeting will introduce the attendees, record all comments and questions made at the meeting and establish a dialogue and chain of communication between the city, Harris, the designer, utility companies and the contractor. All project procedures will be discussed and documented including: pre-job checklists, construction safety, sub-contracting and labor compliance requirements, progress payments, submittals, regular meeting schedules, communication protocols and other administrative requirements.

Deliverables:

- Written agendas and minutes of the pre-construction conference
- Electronic copies of pre-construction meeting minutes to all attendants and pertinent stakeholders
- Master Contact List

Task 1.3.04: Provide Proactive Utility Coordination

Utility coordination reviews are critical to identifying potential site, sequencing and schedule conflicts that may generate right of way delays. Ernest, Tereso and Bob will work with the Fire Department and Water Department in the removal of existing fire hydrants and the installation of new fire hydrants and lateral assembly at the various locations of the project. They will also work with the City and contractor to ensure

that application for service connection to the traffic signals and irrigation system controllers are made and supplied in a timely manner by PG&E. Adjustment of the various utility boxes may need utility companies' involvement. Ernest will chair utility coordination meetings with all affected utilities at the early stages of the project. He will confirm and verify that planned utility connection, removal, protection, and tie-in schedules are consistent with the project requirements. He will monitor utility company work and address all issues until all utility work is completed.

Deliverables:

- Utility coordination meetings
- Utility Review report with recommendations
- Daily utility companies' activities and progress reports

Task 1.3.05: Review Baseline Construction Schedule

Schedule management is a critical part of administering a construction project. The contractor will be required to submit a baseline CPM schedule as specified in the contract document. Ernest and the Harris team will use P6 by Primavera to review contractor-generated CPM baseline for logic and effectiveness and compliance with contract requirements.

Deliverables:

- Baseline construction schedule

Task 1.3.06: Review Staging and Traffic Handling Plans

The Harris team will review staging plans and traffic handling plans developed by the Contractor for logic and effectiveness and compliance with all safety laws and regulations. Review all detour, lane closures, temporary access, signing, delineation and traffic control plans in accordance with City and Caltrans requirements

Deliverables:

- Staging plans and traffic handling plans in compliance with City and contract requirements

Task 1.3.07: Process Submittals and Monitor Designer Reviews

Prior to construction starting Harris will prepare a draft list of required submittals and review the list with the City and designer to ensure that at all submittals are listed. We will also confirm that a responsible party

is identified for each submittal review (Harris, City staff, or Design Engineer). Harris will provide the City staff with a brief, initial review of the contractor's shop drawing submittals before forwarding it to the city Design Engineer. This, combined with our document management system, provides an efficient means of processing shop-drawing submittals between the contractor and the City Design Engineer.

Submittal reviews performed or coordinated by Harris will include and others per contract specifications:

- CPM Baseline and monthly updates
- Submittal listing those materials with critical path lead times
- Erosion and sediment control plan (SWPPP) submittal
- Contractor Traffic Control Plan
- Aggregate base gradation
- Asphalt concrete mix design
- Portland cement concrete mix design
- Trenching and shoring plan
- Subcontracting request form
- Injury and Illness Prevention Program
- Materials with critical path lead times

The contractor will be required to order long lead time items as in the prefabricated cement culvert box, traffic signal pedestals and street light luminaires and prepare several submittal items (such as staging and phasing plans, traffic control plan, baseline schedule, encroachment permit, excavation and shoring plans) prior to the start of construction. Ernest will ensure that contractor obtained all required permits and submittals are completed and approved prior to issuance of NTP for construction.

Deliverables:

- Submittal List and Logs
- Baseline schedule
- Staging and phasing plans
- Traffic control plan
- Required permits
- Vendor statement of order of materials

Task 1.3.08: Perform All Construction Administration and Document Control

Harris will set up a document tracking system, using NewForma (or a city specified program) to maintain project files for the job site and project office. The system will provide for the logging, filing, and tracking of project related correspondence to assure timely responses, provide a record of communications to enable efficient retrieval and establish the chronology of events for use in dispute resolution. Our document management system will develop correspondence logs, request-for-information log, request-for-quotation log, and filtered reports as needed on the project. These logs/documents will be reviewed weekly as the progress meeting to ensure all assigned actions are being addressed in a timely manner. A working set of documents will be maintained at the project office. All documents will also be available on-line through a secure protocol system for easy retrieval by City.

Deliverables:

Working documents in accordance with the City's contract administration procedures.

Task 1.4: Construction Staking

Task 1.4.01: Stake Facilities

Chaudhary & Associates will stake facilities as directed by the Resident Engineer

Deliverables:

- Survey notes and cut sheets

Task 2: Construction

Task 2.1: Public Outreach and Relationships

Task 2.1.01: Maintain and Monitor Project Website

Maintain and monitor project website and provide online information and updates about the project on a weekly basis

Deliverables:

- Weekly construction status report
- Answers to questions about the project

Task 2.1.02: Maintain and Monitor Project Facebook/Twitter Address

Maintain and monitor project Facebook and Twitter address and provide real time push and exchange of project information and construction activities to the public

Deliverables:

- Real time push of information to the public
- Answers to questions about the project

Task 2.1.03: Maintain and Monitor Project Hot/Post Call Line

Maintain and monitor project hotline and post call line to the community and businesses with pre-recorded messages of road closures, impacts and reminders in English and Spanish

Deliverables:

- Construction impact messages
- Answers to questions about project

Task 2.1.04: Meet Face-to-Face with Businesses and Residents

J Majors & Associates staff (English and Spanish speaking) with the CM team walk the project site periodically to meet face-to-face with business owners and residents to discuss construction features, schedule, and potential impacts and address their questions and concerns

Deliverables:

- Visits to business owners and residents
- Resolution of construction impact issues

Task 2.2: Manage Application and Compliance to All Environmental Requirements

Task 2.2.01: Daily On-Site Biological Monitoring

In accordance with the permit requirements, DHA's qualified biologist will be on-site when requested during all "covered activities" in the permit area (i.e. grading, grubbing, excavation, filling of wetlands, installation of storm water drainages and utilities, storage of material, staging of equipment and vehicle movement).

In addition, DHA's qualified biologist will be on-site to monitor the installation of the California tiger salamander (CTS) exclusion fencing around all vernal pool, drainage ditches, and seasonal wetlands north of Hearn Avenue. The qualified biologist will conduct compliance inspections to (1) minimize incidental take of CTS; (2) prevent unlawful take of species; (3) check for compliance with all measures of this ITP; (4) check all exclusion zones; and (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.

During construction, DHA's biologist will compile a Quarterly Compliance Report Annual Status Report as long as the ITP is in place. Written observation and inspection records will be prepared daily and submitted to the City and CDFW on a quarterly basis along with a with a copy of the Mitigation, Monitoring and Reporting (MMRP) table with notes showing the current implementation status of each mitigation measure. In addition, an Annual Status Report (ASR) no later than January 31 of every year beginning with issuance of the ITP will be submitted. Each ASR shall include, at a minimum: (1) a summary of all Quarterly Compliance Reports for that year; (2) a general description of the status of the Project Area and Covered Activities, including actual or projected completion dates, if known; (3) a copy of the table in the MMRP with notes showing the current implementation status of each mitigation measure; (4) an assessment of the effectiveness of each completed or partially completed mitigation measure in avoiding, minimizing and mitigating Project impacts; (5) all available information about Project-related incidental take of CTS and (6) information about other Project impacts on CTS.

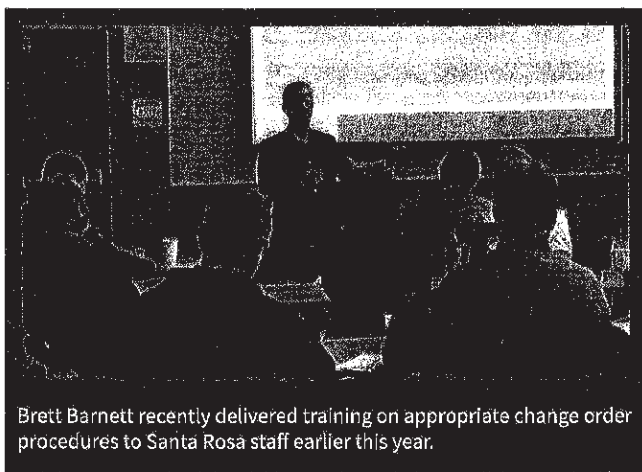
During periods of inactivity and after ground disturbing activities, monitoring will be conducted at a minimum of once per month while work is being conducted in the permit area. This scope of work assumes a maximum of 90 days of monitoring.

Task 2.2.02: Heritage and Protected Trees

DHA's qualified biologist will be on-site monthly to monitor the installation of protective fencing around any trees that are proposed to remain and will ensure no heavy equipment, vehicular traffic, or storage piles of any construction materials shall be permitted within the drip line of any preserved tree.

Task 2.2.03: On-Site Archaeological Monitoring

DHA's qualified archaeologist will be on-site when requested to monitor grading and excavation activities for buried prehistoric and historic archaeological deposits. If buried resources are discovered during construction that require subsequent investigations, DHA will coordinate with the City, ACOE and Native American Groups, and will provide an additional scope of work at that time to evaluate and develop a resource management plan for said resources. This scope of work assumes a maximum of 90 days of monitoring.



Brett Barnett recently delivered training on appropriate change order procedures to Santa Rosa staff earlier this year.

Task 2.3: Inspection, Contract Administration and Resident Engineering

Task 2.3.01: Perform Field Inspection Activities

The inspectors, Tereso Rodriguez and Bob Comacho will observe and monitor the progression of work on the job, including work that affects the Storm Water Pollution Prevention Plan (SWPPP), environmental documents, change order work, are in accordance with the contract documents with the support of electrical inspector, Martin Errecart, for electrical and traffic signal work.

Daily inspection diaries will be prepared to follow the protocol of the Caltrans Construction Manual, including weather, work activities, labor, equipment, work completed, and other relative information and discussions. Weekly Resident Engineer's Reports will be prepared and submitted to the City along with special reports discussing claims or other issues that could impact cost or time of completion.

Deliverables:

- Daily inspection reports
- Weekly Resident Engineer Reports
- Weekly Statement of Working Days
- Quantity sheets for all items, PCC/AC Production/ Placement Checklists
- Functional tests
- Relative Compaction Summary
- Storm Drainage/SWPPP Reports
- Materials Approved Tags

Task 2.3.02: Monitor Contractor's Safety Compliance

Public and jobsite safety are of key importance to Harris. Each member of the Harris team will know the Contractor's IIPP (Injury and Illness Prevention Plan) and Code of Safe Practices.

Ernest Ezeoha will review and monitor the contractors' project safety program for compliance with Cal/OSHA, and will notify the contractor if an unsafe condition is observed. Ernest and Marty will notify the City if the contractor refuses to rectify an unsafe condition. Special attention will be given to the modification and construction of the new and existing traffic signals at the six intersections to ensure that the contractor implements effective safety measures during the construction of the new signals and the replacement/ modification of the existing signal to avoid traffic accidents and manage drivers' driving expectations and changes. Ernest and Martin will coordinate and ensure safe traffic signal shutdowns with the City's Electrical Department, the City's Traffic Engineer, and the Contractor. Immediate shutdown of contractor's work may be required if conditions endanger property and/or life. Accidents will be reported to the City, Cal/OSHA, and the Harris Safety Administrator.

Deliverables:

- Incident and Safety reports
- Emergency contact list

Task 2.3.03: Manage Traffic Control and Public Safety Reviews

Review and monitor all traffic control and public safety plans for compliance with all safety laws and regulations; Review all detour, lane closures, temporary access, signing, delineation and traffic control plans

in accordance with City and Caltrans requirements; Report deficiencies to contractor and monitor corrective actions. The Harris team will:

- Coordinate major closures with affected entities including businesses, residents, schools, churches, transit agencies and emergency services
- Attend public and other meetings concerning construction related closures
- Review, comment and /or approve contractor's contingency plan
- Assist in resolution of citizen's complaints regarding construction related closures
- Review traffic reports and advise appropriate staff
- Monitor traffic delay and compliance with lane closure time limits
- Ensure that the contractor gives notification of the closure of any traveled way to the to the Fire Department, Communications Center, Sonoma County Transit, Golden Gate Transit, West County Transportation Agency, and Santa Rosa CityBus as prescribed in the Special Provisions

Deliverables:

- Traffic control plans and operations in compliance with Caltrans, the City, and contract requirements
- Incident and Safety reports
- Emergency contact list

Task 2.3.04: Provide Proactive Utility Coordination

Utility coordination reviews are critical to identifying potential site, sequencing and schedule conflicts that may generate right of way delays. Ernest, Tereso and Bob will work with the Fire Department in the removal of existing fire hydrants and the installation of new fire hydrants and lateral assembly at the various locations of the project. They will also work with the City and contractor to ensure that application for service connection to the traffic signals and irrigation system controllers are made and supplied in a timely manner by PG&E. Adjustment of the various utility boxes may need utility companies' involvement. Ernest will chair utility coordination meetings with all affected utilities at the early stages of the project. He will confirm and verify that planned utility connection, removal, protection, and tie-in schedules are consistent with the project requirements. He will monitor utility company work

and address all issues until all utility work is completed.

Deliverables:

- Utility Review report with recommendations
- Daily utility companies' activities and progress reports

Task 2.3.05: Schedule, Manage and Document Testing Services

Ernest, Tereso and Bob will coordinate and schedule materials testing that will be conducted by the City's materials testing laboratory according to City's Quality Assurance Program and standard testing and analysis procedures. Harris will receive documentation for all tests, including required retests, and observe the testing. Harris will notify the contractor immediately of any non-compliant test results.

Deliverables:

- Reports for each test
- Test report log

Task 2.3.06: Prepare and Recommend Progress Payments

Ernest Ezeoha will prepare monthly progress payments to ensure the City is only making payments for work completed and materials stored on hand. This work includes measuring and calculating the contract item pay quantities for the construction project and preparation of payment sheets to be used for quantity sheets.

Before the start of construction, Harris and the contractor will develop a procedure that is acceptable to the City for monthly progress payments and the final payment. We will review the contractor's schedule of values for bid items and segregate them into a form acceptable to the city for reimbursement. Harris will review contractors' payment requests and will verify contractor pay quantities. Payments for materials on hand will also be verified by Harris if materials are on the jobsite, or coordinated for source verification. After agreement of the payment request by Harris and the contractor, Ernest will prepare the monthly progress payment request using a form developed by Harris and the City (showing segregation of work by funding source, work completed this month, work completed to date, percentage complete for each item and any applicable deductions to the net payment) for approval and execution by the City.

Additionally, Harris will provide a cost summary in the monthly status report. This summary will include in tabular form segregation of funding, percent complete, percent of budget spent, and percent of time used.

Deliverables:

- Contractor progress payment and final payment request
- Cost summary in the monthly status report, including percent complete, percent of budget spent, and percent of time used

Task 2.3.07: Manage Stakeholder Communications and Public Information

Project coordination, communications and public outreach includes managing meetings, addressing phone calls, processing incoming and outgoing letters, RFIs, submittals, contracts, reports, agreements, progress payments, daily extra work reports, labor compliance reports, certified payroll, and CCOs. Ernest Ezeoha will receive all communications from the contractor, the public, City staff, and utility companies. Appropriate responses will be generated and sent as expeditiously as possible to within 2 days of receipt of request document. The document control system will be used to ensure prompt and efficient exchange of information between City staff, the Design Engineer, the contractor, utility companies, other appropriate project representatives and stakeholders, and the public. All original correspondence will remain with the project files.

Deliverables:

- Efficient processing of, and/or response to, correspondence/requests/inquiries from the contractor, the City, the designer, other stakeholders, or the public that pertains to the project
- Correspondence Log tracking incoming and outgoing letters, RFIs, submittals, contracts, reports, progress payments, daily extra work reports, labor compliance, certified payroll, and CCOs.

Task 2.3.08: Perform All Construction Administration and Document Control

Harris will set up a document tracking system, using NewForma (or a city specified program) to maintain project files for the job site and project office. The system will provide for the logging, filing, and tracking of project related correspondence to assure timely responses, provide a record of communications to

enable efficient retrieval and establish the chronology of events for use in dispute resolution. Our document management system will develop correspondence logs, request-for-information log, request-for-quotation log, and filtered reports as needed on the project. These logs/documents will be reviewed weekly as the progress meeting to ensure all assigned actions are being addressed in a timely manner. A working set of documents will be maintained at the project office. All documents will also be available on-line through a secure protocol system for easy retrieval by City.

Deliverables:

- Working documents in accordance with the City's contract administration procedures, Caltrans Construction Manual, and applicable provisions of the Caltrans Local Assistance Procedures Manual

Task 2.3.09: Manage Stakeholder Communications and Public Information

Project coordination, communications and public outreach includes managing meetings, addressing phone calls, processing incoming and outgoing letters, RFIs, submittals, contracts, reports, agreements, progress payments, daily extra work reports, labor compliance reports, certified payroll, and CCOs. Ernest Ezeoha will receive all communications from the contractor, the public, City staff, and utility companies. Appropriate responses will be generated and sent as expeditiously as possible to within 2 days of receipt of request document. The document control system will be used to ensure prompt and efficient exchange of information between City staff, the Design Engineer, the contractor, utility companies, other appropriate project representatives and stakeholders, and the public. All original correspondence will remain with the project files.

Deliverables:

- Efficient processing of, and/or response to, correspondence/requests/inquiries from the contractor, the City, the designer, other stakeholders, or the public that pertains to the project
- Correspondence Log tracking incoming and outgoing letters, RFIs, submittals, contracts, reports, progress payments, daily extra work reports, labor compliance, certified payroll, and CCOs.

Task 2.3.10: Process Submittals and Monitor Designer Reviews

Harris will prepare a draft list of required submittals and review the list with the City and designer to ensure that all submittals are listed. We will also confirm that a responsible party is identified for each submittal review (Harris, City staff, or Design Engineer). Harris will provide the City staff with a brief, initial review of the contractor's shop drawing submittals before forwarding it to the city Design Engineer. This, combined with our document management system, provides an efficient means of processing shop-drawing submittals between the contractor and the City Design Engineer.

Submittal logs will be provided at each construction progress meeting. Harris will follow up on all submittals that are nearing the end of the review period, and question contractors that have not provided re-submittals that either have been rejected or require additional information before the submittal may be approved for inclusion in the work. The following steps will be followed in reviewing the contractor's submittals and shop drawings:

- Log into NewForma all submittals by Specification number.
- Ensure the contractor has submitted a complete submittal, has been coordinated with other trades and all deviations have been noted. Submittal is returned to the contractor if it is not complete.
- Resident Engineer continues review for general compliance with the specification.
- Submittal, if necessary or required, is forwarded to design Engineer for formal review and acceptance.
- Submittal is forwarded to an affected utility agency (when required).
- Submittals are returned to Harris and the submittal status is logged into Contract Manager.
- Submittals are returned to the contractor for use in work.
- Harris informs contractor if a re-submittal is required.

Submittal reviews performed or coordinated by Harris will include and others per contract specifications:

- CPM Baseline and monthly updates
- Submittal listing those materials with critical path lead times

- Erosion and sediment control plan (SWPPP) submittal
- Contractor Traffic Control Plan
- Aggregate base gradation
- Asphalt concrete mix design
- Portland cement concrete mix design
- Trenching and shoring plan
- Subcontracting request form
- Injury and Illness Prevention Program
- Materials with critical path lead times

Deliverables:

- Submittal List and Logs

Task 2.3.11: Review and Monitor the Construction Schedule

Schedule management is a critical part of administering a construction project. The contractor will be required to submit a baseline CPM schedule as specified in the contract document. Ernest and Harris will use P6 by Primavera to review contractor-generated CPM baseline and monthly update schedules for compliance with contract document constraints.

Ernest Ezeoha will review the contractor's monthly schedule updates for logic and duration changes, and keep the City informed of construction schedule and changes found in the updates. Conscientious monthly monitoring and review of the contractor's monthly CPM updates will help isolate and identify reasons for project delays. We will notify the City and the contractor of actual or potential schedule deviations and work with the project team to correct non-compliance with the schedule.

Harris will require contractor to submit and discuss the "three-week look-ahead schedule" at the weekly construction progress meeting which highlights critical project activities and operations and coordination necessary to keep the project on track. Harris will compare this three-week schedule to the approved progress. Comparison will confirm that the contractor is continuing to work on the approved critical path activities.

Harris will track time impacts on the construction, such as weather days, days added or deducted for approved change order work, and days generated by other issues or sources. This data will be used to generate the Weekly Statement of Working Days.

Deliverables:

- Monthly schedule status reports
- Weekly Statement of Working Days
- As-built schedule

Task 2.3.12: Evaluate, Negotiate, Recommend and Prepare Change Orders

Harris will implement an easily retrievable system for addressing all potential and approved changes on the project, regardless of who initiates the change. Using City and Caltrans specifications, Harris will provide the City with assurance the contractor is not presenting requests for extra work that was included in the original scope of the contract and that all potential changes have been reviewed, evaluated for cost and time, and justified properly.

Harris will review potential change orders for contractual and technical merit and prepare independent cost estimates and schedule analysis of work if necessary. We will negotiate change order costs with the contractor, as needed, and prepare change orders, with all required documentation, for execution by the City. Through our document control system, we will keep the City informed of cumulative changes in cost and time and the impact of these on the overall project.

Harris will take no action without the review and approval of the City.

Deliverables:

- Independent cost estimates
- Independent schedule analysis
- Summary of negotiations and recommendations for approval
- Change orders ready for execution
- Change order summary reports
- Documents necessary to obtain approval beyond the authority of the City

Task 2.3.13: Prepare and Recommend Progress Payments

Harris will manage monthly progress payments ensuring only payments are recommended for work completed and approved materials on hand. This work includes measuring and calculating the contract item pay quantities for the construction project and preparation of payment sheets to be used for quantity sheets.

Before the start of construction, Harris and the

contractor will develop a procedure that is acceptable to the City for monthly progress payments and the final payment. We will use the City's current cost segregation spreadsheet as a guide to develop a formal progress payment document to be used by the contractor. This document will simplify tracking and reimbursement. We will review the Contractor's schedule of values for bid items where required. Harris will review contractors' payment requests and will verify contractor pay quantities. Payments for materials on hand will also be verified by Harris if materials are on the jobsite, or coordinated for source verification. After approval of the payment request, by Harris and the Contractor, Harris will transmit the request to the City for approval and payment.

Additionally, Harris will provide a cost summary in the monthly status report. This summary will include segregation of funding sources, percent complete, percent of budget spent, and percent of time used.

Deliverables:

- Contractor progress payment and final payment request
- Cost summary in the Monthly status report, including percent complete, percent of budget spent, percent of time used
- Progress payment request documents suitable for approval and execution by the City

Task 2.3.14: Claims Management

Claims management includes analysis of construction issues for origin, responsibility and contractual foundations, researching solutions for cost/schedule impacts, and presenting alternatives and recommendations. Harris "tags" all issues for cradle-to-grave tracking through the project document control system.

Most claims include, or are based on, negative impacts to the project construction schedule. As part of the claim analysis, Harris will require the contractor to submit documentation supporting the claimed delay, including a time-impact-analysis. Harris will compare the contractor's initial baseline schedule, revised schedules, actual time of work activity, the contractor's operational efficiencies and the inspector's daily reports to determine the source and contractual responsibility for all delay claims. If the analysis results in a positive response, a CCO will be recommended.

Ernest Ezeoha will generate and compile all backup

data and copies of reports for Notice of potential Claim (NOPC) and responses to the contractor. Harris will request and secure all technical assistance necessary to provide back-up data and information to support the construction management staff in their analysis, negotiation, and resolution of construction claims throughout the claims process. All NOPCs received will be forwarded to City with a cover letter discussing the facts as Harris sees them and recommended actions if any. A log of NOPCs and pending CCOs will be prepared and updated for inclusion in our monthly report, discussion as regular progress meeting, and review with the City.

Deliverables:

Written response to the potential claim

- Project file for each NOPC, including backup data, NOPC, and City/Harris response
- Reviewed and approved Claim Report, either:
- Claim recommended for acceptance by Harris and agreement by the City, a letter to the contractor stating the resolution of claim, and the CCO that will be written to cover work noted in the claim
- Claim recommended for rejection by Harris with agreement by the City, letter to the contractor stating the reason(s) for the rejection, and the contractor's options if he wants to pursue the claim further

Task 2.3.15: Negotiated Claim Settlement

Using contract plans and specification and documentation from project files, Harris will work to negotiate any unresolved claims prior to the issue escalating to a higher level of management.

Deliverables:

- Claim Settlement Report

Task 2.4: Construction Staking

Task 2.4.01: Stake Facilities

Chaudhary & Associates will stake facilities as directed by the Resident Engineer

Deliverables:

- Survey notes and cut sheets

Task 3: Post-construction

Task 3.1: Public Outreach and Relationships

Task 3.1.01: Ribbon Cutting Ceremony

Assist the City in performing ribbon cutting ceremony

Deliverables:

- As requested by the City

Task 3.2: Manage Application and Compliance to All Environmental Requirements

Task 3.2.01: Post Construction Reporting

No later than 45 days after completion of all mitigation measures, DHA's qualified biologist will provide the City, CDFW, USFWS and ACOE with a Final Mitigation Report. The Final Mitigation Report will include, at a minimum: (1) a summary of all Quarterly Compliance Reports and all ASRs; (2) a copy of the table in the MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of CTS; (4) information about other Project impacts on CTS; (5) beginning and ending dates of ground disturbing activities; (6) an assessment of the effectiveness of this ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on CTS; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on CTS; and (8) any other pertinent information.

Task 3.2.02 Post Construction Streamside Replanting and Annual Vegetation Monitoring

DHA's biologist will work with the City's construction contractor after completion of construction activities to revegetate disturbed areas. DHA's biologist will determine in the field the selection and spacing of plants to optimize the restoration effort.

DHA's qualified biologist will monitor all revegetated areas for a period of five years on a quarterly basis. A report will be prepared documenting the success of planting. All plantings will have a minimum of 80% success at the end of five years with a minimum of two consecutive years (2 growing seasons) of monitoring after the removal of irrigation. Replacement plants will

be monitored with the same survival success for an additional five years.

Task 3.3: Inspection, Contract Administration and Resident Engineering

Task 3.3.01: Perform Final Inspection Services

After all work is substantially complete and a preliminary punch list is generated, Ernest Ezeoha will coordinate a walk-through with the City, project design engineer, contractor, the City's maintenance staff, and other interested parties, to provide the City with reasonable assurance that the general intent of the project documents have been complied with.

A final punch list will be created, itemizing all remaining deficiencies and/or omissions noted in the walk-through for the contractor to correct within a specified timetable (presuming there is contract time remaining). Harris staff will inspect items on the punch list after the contractor has notified Harris the work is complete. Completed items on the punch list will be initialed and dated as to who did the inspection and the date of the inspection. Upon completion of the punch list work, Harris will notify the City the work is complete and forward a copy of the completed punch list.

Items may be placed on the punch list at any time up until the Notice of Completion is filed.

Deliverables:

- Completed punch list with items initialed and dated

Task 3.3.02: As-Built Drawings of Record

Harris staff will compare and collate the Harris as-built drawings and the contractor's as-built drawings and deliver the data to the designer for compilation of the final as-built drawings. Harris staff will assist the designer as directed by the City in this process.

Deliverables:

- One set of hard copy record drawings (in addition to Contractor's marked-up set of contract drawings) in accordance to City and applicable Caltrans specifications

Task 3.3.03: Safety and Maintenance Reviews

After completion of construction at the project site and final punch list work, Harris will conduct a final review to ensure all safety concerns/requirements have been

addressed and that the all City safety and maintenance items have been addressed. If needed a final site walk will be scheduled with City staff that needs a final look at the project. Should this final review reveal any further actions, a letter will be given to the contractor with directions and actions that are required prior to final acceptance.

Deliverables:

- Field safety and maintenance review(s) completed

Task 3.3.04: Final Project Walkthrough

Harris will conduct the final project walk through. Following that review and completion of all punch list work by the contractor, Ernest Ezeoha will prepare a final completion letter to document that all work has been completed. Harris will send this letter to the City and forward a copy of the completed punch list with the recommendation to accept the construction, issue relief of maintenance and make payment of the contractor's final progress payment.

Deliverables:

- Final punch list

Task 3.3.05: Relief from Maintenance Process

After safety and maintenance reviews are complete and the site is in compliance, Harris will process the Relief from Maintenance notice to contractor.

Deliverables:

- Written notice to the contractor of Relief from Maintenance

Task 3.3.06: Project Files Review

All project files will be reviewed for completeness, continuity and contract compliance. Harris will certify that the contractor has submitted all required documentation and deliver to the City a copy of the contractor's performance bond as it applies to project warranties.

Upon completion of the files review and verification, Harris will recommend the City issue the project Notice of Completion and Acceptance of Work. Harris will deliver all project files to the City and documents required by permitting agencies to permitting agencies, including a Final Project report.

Task 3.3.07: Final Project Report

Harris will prepare a written final project report for the City. The report will include the following:

Names of all organizations involved with the project, including permitting agencies, the City, construction manager, Resident Engineer, Contractor, and other parties that had a significant part in construction of the project

- Chronological history of the construction effort, to include all significant events and milestones
- Contract amounts at bid time with all other bids in tabular form
- Change order history, including information about the change order's origin
- Summary of Requests for Information and their disposition
- Summary of claims and their disposition
- Summary of final contract amount, including change orders
- The final report will be delivered in both electronic and paper copies

Deliverables:

- Final Project Report

4. PERSONNEL

Resumes

Complete resumes can be found on the following pages.

Firm's Organizational Structure

Harris is managed by President Gary Wohl and CEO Lisa Larrabee, and her executive team of senior discipline leaders out of our corporate headquarters in Concord. The President reports to a seven member Board of Directors.

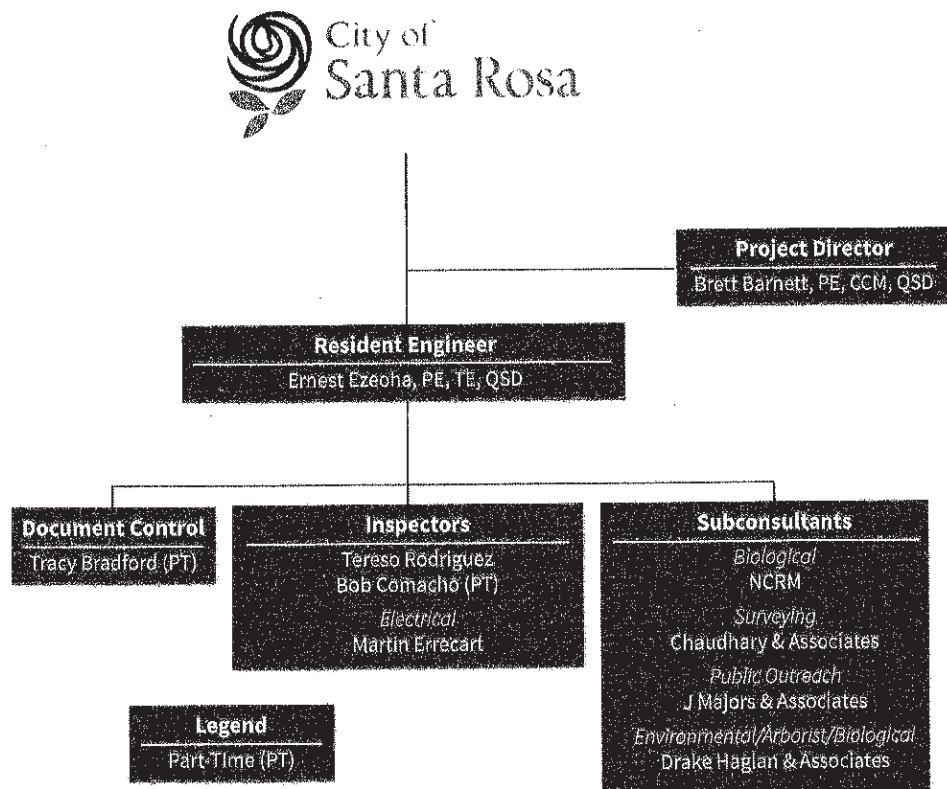
Location of the Office Where Staff Would be Located to Manage this Project

1401 Willow Pass Road, Suite 500
Concord, CA 94520

Other Pertinent Staff Information

Specific Project Personnel

The organization chart below presents the Harris team for this project. The chart shows team member names, functions, and reporting relationships. Our team has the flexibility to staff up or down as necessary while providing timely and effective construction management and inspection services.



Extent of Their Participation

Present Workload (Ability to Respond)

The staff listed in our proposal are currently available immediately to provide services to the City in the capacity listed. Their current assignments and availability is shown in the table above.

Harris has a positive track record throughout the State for flexibility and responsiveness, including our ability to adjust to rapidly changing staff needs by accommodating emergencies and peak workloads, as well as timely satisfying special equipment needs. With this responsiveness and flexibility, you can count on getting swift and decisive action in a continually changing project environment, helping you keep your project on track and under control.

Recently, we were asked to provide inspectors for a large Los Angeles County road project and were able to meet that request in less than five days.

Staff	Current Assignments (% Commitment)	Anticipated Need on Project	Availability for Assignment
Ernest Ezeoha	County of Mendocino, On-Call Construction Management for Various Bridge Projects, School Way Bridge (20%)	80%	80%
Brett Barnett	No current assignments.	20%	100%
Tereso Rodriguez	County of Mendocino, On-Call Construction Management for Various Bridge Projects, School Way Bridge (10%)-nearing completion	100%	100%
Martin Errecart	No current assignments	10%	100%
Bob Comacho	Mountain House, New Community Neighborhood (50%)- nearing completion	50%	50%
Tracy Bradford	Santa Clara SVP, Program management/Construction Management Services (10%)	25%	90%

Individuals' Related Experience

Harris has assembled a team with the required expertise, previous experience, and availability to produce deliverables for your project.

Competence, Technical Ability, and Experience

Harris commits a roster of seasoned construction management and inspection professionals experienced in projects with similar scope of works to this project. Because we work almost exclusively for public agencies, our team understands what it takes to deliver public projects. In developing our team, we considered several qualifications that will be essential for project success:

- Inspection and documentation using Caltrans Local Assistant Procedures Manual (LAPM).
- Construction management and inspection experience with similar roadway and signalization projects.
- Working relationships with key agencies including the City and Caltrans.
- Deep understanding of the delivery of publicly bid and constructed projects.
- Effective communication for successful project delivery, including public outreach to concerned residents.
- Traffic control expertise in heavily travelled residential and commercial intersections.

Harris Key Personnel	Related Experience									
	SWPPP/Environmental	Roadway Widening	Traffic and Electrical Signal Work	Traffic Control	Public Outreach	Utilities Relocation/Underground Work	Structural	Roadway Paving	Landscaping	Striping/Signage
Ernest Ezeoha	x	x	x	x	x	x	x	x	x	x
Tereso Rodriguez	x	x	x	x	x	x	x	x	x	x
Bob Comacho	x	x	x	x	x	x	x	x	x	x
Martin Errecart	x	x	x	x	x	x	x	x	x	x
Brett Barnett	x	x	x	x	x	x	x	x	x	x

Harris has completed more construction management and inspection contracts for Caltrans than any other consultant firm. As a direct result, we thoroughly understand Caltrans practices, regulations, policies, procedures, manuals, standards, and compliance with FHWA regulations. We know how to manage the project in accordance with the Caltrans Construction Manual, Cal OSHA, Caltrans SWPPP and Water Pollution Control Plan (WPCP) Preparation Manual, and the Local Assistance Procedures Manual (particularly Chapters 15, 16, and 17). Caltrans Contract Administration procedures and requirements will be established and adapted to accommodate the City's reporting and documentation needs. **Resident Engineer Ernest Ezeoha worked for Caltrans District 4 for ten years and is accustomed to following the detailed procedures tied to the funding.** Harris believes that relationships with Caltrans and other funding sources will be the key to smoothly finishing the project and ensuring funding reimbursement for the work completed on the project. Having Ernest on the

team will be vital to finding quick and sound solutions, developing and fostering consensus, and ultimately implementing solutions that allow for a smooth and successful delivery.

Local Santa Rosa experience is a key factor in selecting our team members and many of them have worked on numerous local projects. Ernest and Tereso were the Resident Engineer and Inspector respectively for the Highway 12/Farmer's Lane Partial Interchange, and Ernest was the Resident Engineer/Inspector for the Phase 2 of Highway 12/Farmer's Lane Interchange project and the 6th Street Undercrossing Improvements project. He worked closely with City staff, running the last two projects out of the City Public Works office.

Subconsultants

Our proposed subconsultants include Chaudhary & Associates, NCMR, J Majors & Associates, and Drake Haglan and Associates. Our previous joint history is shown in the table on the following page.

Subconsultant Experience with Harris

Chaudhary & Associates (Surveying)		
City of El Cerrito, 1994 Resurfacing Program	City of Brentwood, Lone Tree Way/SR-4 Intersection Improvements	City of Mill Valley, 2009 Sewer Rehabilitation
Caltrans District 1, 1996 Storm Damage Repair, Various Projects	City of Rio Vista, Northwest Wastewater Treatment Plant	City of Mill Valley, 2009 Street Rehabilitation
City of Mill Valley, 2005 Sewer Rehabilitation	City of Brentwood, Oak Street/Walnut Boulevard Improvements	City of Los Altos, 2009/2010 Annual Sewer Main Repair and South Sewer Main Replacement Phase I
City of Mill Valley, 2007 Streets and Sewer Rehabilitation	City of Suisun City, Park-and-Ride Lot Expansion	City of Mill Valley, 2010 Sewer Rehabilitation Program
City of Hayward 24-Inch Aqueduct Relocation at Niles River	City of Pleasant Hill, Pleasant Hill Road Improvements	City of Mill Valley, 2010 Street Rehabilitation Program
City of Richmond, 35th Street and MacDonald Avenue Sanitary Sewer Improvements	Dublin San Ramon Services District, Relief Sewer at Dublin Boulevard and Silvergate Drive to I-680	Silicon Valley Power, De La Cruz Railroad Undercrossing
City of San Jose, 84-Inch RCP Interceptor and 60-Inch Brick Interceptor Rehabilitation	City of Richmond, Richmond Parkway	City of Los Altos, South Sewer Main Replacement Phase II, Fallen Leaf Lane Sewer Main, and Annual Sewer Main Repair (2010/2011)
City of Brentwood, Brentwood Boulevard Widening to Central	City of Piedmont, Sanitary Sewer System Evaluation and 2005 Sewer Rehabilitation	City of Mill Valley, 2011 Streets, Sanitary Sewer, and Storm Drain Rehabilitation Program
Vallejo Sanitation & Flood Control District, Calaveras, Mendocino and Mariposa Sewer Improvements	City of Scotts Valley, Scotts Valley Drive/ Glenwood Drive Intersection	City of Richmond, 2011 Sanitary Sewer Lining
City of Pittsburg, Connector Road Between Century Boulevard and North Park Plaza	East Bay Municipal Utility District, Southern Loop Pipeline	City of Concord, Downtown Sewer and Streetscape Improvements
City of San Pablo, Corporation Yard Design	City of El Cerrito, Storm Drain and Creek Restoration Program	City of Albany, 2012 Sanitary Sewer
Caltrans District 2, 1997 Storm Damage Repair	City of El Cerrito, Storm Drainage Improvements, Brewster and Seaview	Pacific Gas & Electric Company, 2012 Pavement Design Services
Caltrans District 3, Construction Inspection, Contract	City of Concord, Traffic Signal Installation on Ygnacio Valley Road at Park Highlands Boulevard	City of Richmond, Railroad Avenue Drainage Improvements
Caltrans District 3, 1998 Emergency Highway Storm Damage Repair Projects	City of Concord, Traffic Signal Installation on Ygnacio Valley Road at Park Highlands Boulevard	County of Marin, Civic Center Drive Improvements and Veterans' Memorial Auditorium (VMA) Parking Lot
Caltrans District 4, Emergency Repair Projects	City of Hayward, Water Main Replacement at Foothill Boulevard and Various City Streets	Pacific Gas & Electric Company, 2013 Pavement Design Services
Caltrans District 4, On-Call Services Non-Toll Bridge Seismic Retrofit	City of Hayward, West Tennyson Road Sewer Improvements	Town of Moraga, Pavement Management and On-Call Civil Engineering
Caltrans District 4, On-Call Services Non-Toll Bridge Seismic Retrofit	City of Brentwood, Brentwood Boulevard (SR-4) Widening	City of Concord, Downtown Sanitary Sewer Upgrade
Caltrans District 4, Seismic Retrofit Projects	City of Concord, Pine Street Sanitary Sewer Structural Improvement	Sanitary District No. 1 of Marin County, FY 2014 Gravity Sewer Rehabilitation
City of San Leandro, East 14th Street TEA Median Design	Vallejo Sanitation & Flood Control District, Shasta Storm Drain Improvements	City of Berkeley, Virginia Street Area Sewer Project (5th and Cedar)
City of San Rafael, Fifth Avenue Bicycle/ Pedestrian Pathway	City of South San Francisco, Wet Weather Program Phase II	City of Concord, Willow Pass Road Trunk Sewer Upgrade
City of San Rafael, Fourth Street/West End Village Revitalization	Vallejo Sanitation & Flood Control District, Amador/Florida Flood Control	City of Richmond, Railroad Avenue Drainage Improvements, Design and Design Services During Construction
Sanitary District No. 1 of Marin County, FY 2014/15 Pipeline Rehabilitation Projects, Small Diameter Rehabilitation	City of Mill Valley, 2008 Street and Sanitary Sewer Rehabilitation Program	Pacific Gas & Electric Company, Design Services for SPCC Compliance at PG&E San Carlos SC
City of Lodi, General Engineering Services	City of Mill Valley, Installation of Metal Beam Guardrails at Various Locations	City of Concord, Central Concord Pedestrian Improvements and Streetscape
City of Pleasant Hill, Gregory Lane and Taylor Boulevard Street Rehabilitation	County of Marin, 2008 Storm Damage Repair Program	County of Marin, Veterans Memorial Auditorium Parking Lot Improvements
City of Lodi, Kettleman Lane (State Hwy 12) Median Improvements and Safety	City of Richmond, San Pablo Avenue Sanitary Sewer Rehabilitation	Town of Danville, Various Streets and Roads Preservation
NCMR (Biological)		
Mendocino County, School Way Bridge Replacement		
J Majors & Associates		
N/A		
Drake Hagland and Associates		
N/A		

Ernest Ezeoha, PE, TE, QSD

Resident Engineer

Ernest Ezeoha has more than 24 years of experience, including 10 years with Caltrans as a resident engineer and construction manager. He has managed several roadway projects, most of which had federal funding for agencies including the Alameda County Congestion Management Agency (ACMA), Livermore-Amador Valley Transit Authority (LAVTA), the San Francisco International Airport (SFO), the Santa Clara Valley Transportation Authority (VTA), the Peninsula Corridor Joint Powers Board (PCJPB), and the cities of Belmont, San Carlos, and Milpitas. He is skilled in the management of various infrastructure improvements, demolition, grading, drainage, roadway construction, street lighting, and underground electrical utility installation projects. Ernest is intimately familiar with Caltrans Local Assistance procedures and experienced managing projects that comply with Caltrans specifications. In addition to his construction management expertise, Ernest is a Registered Professional Traffic Engineer. He has prepared and reviewed complex traffic control plans and measures for projects. Ernest will assure that all traffic control issues are effectively addressed. Ernest's leadership and experience will ensure a successful project with fewer demands on City staff time.

Relevant Experience

City of Santa Rosa, 6th Street Undercrossing and Streetscape Improvements. Resident Engineer. This project facilitates the improvement of on- and off-ramp access to and from Highway 101; the safe, free-flowing movement of vehicular, pedestrian, and bicycle traffic; and simplified access to local shopping centers, the proposed SMART downtown train station, and businesses on either side of Highway 101. Construction included the narrowing and reconfiguring of lanes near the on- and off-ramps. Ernest **worked closely with the Caltrans District 4** oversight engineer in satisfying the requirements of the encroachment permit and cooperative agreements, as well as maintenance and operation of state facilities affected by construction activities. The team also came together to relocate a homeless camp within the project limits. The relationship developed between Caltrans and Harris resulted in an atmosphere of mutual trust and greatly contributed to keeping the project on schedule.

City of Santa Rosa, Farmers Lane/Highway 12 Partial Interchange. Resident Engineer/Project Manager. This \$4.4 million project constructed a single-span, 130-foot-long, cast-in-place, pre-stressed concrete box girder structure. Phase 1 included bridge construction, street and traffic signal improvements to Farmers Lane, and new on-ramps to Highway 12. Phase 2 included construction of soundwalls and landscaping. Work was adjacent to environmentally-sensitive area requiring bird surveys before some contractor's operations. **All work was conducted in accordance with Caltrans' LAPM.** Ernest leveraged his favorable relationship with Caltrans staff to facilitate inspection and approval in implementing effective traffic control.

EDUCATION

MBA, Finance

BS, Civil Engineering

REGISTRATIONS

Professional Civil Engineer, CA

Professional Traffic Engineer, CA

CERTIFICATIONS

Qualified SWPPP Developer/
Practitioner (QSD/QSP)

TRAINING

Caltrans: Resident Engineer
Academy

AFFILIATIONS

California Stormwater Quality
Association (CASQA)

Construction Management
Association of America (CMAA)

County of Mendocino, School Way Bridge Replacement. Resident Engineer. This \$6 million County of Mendocino and Federal Highway Administration funded project replaces a seismically deficient three-span concrete T-beam structure with a single span cast-in-place post-tensioned concrete box-girder structure 230-feet long. Work also includes a **new roadway** and improvements to rail tracks and crossing signals in the Town of Redwood Valley. This project also involved work within the Russian River West Fork channel and hydro-acoustic and biological monitoring of marine life and endangered species. Ernest's responsibilities included **significant coordination with Caltrans**, North Coast Railway Authority, California Fish & Wildlife, National Marine Fisheries Service and many other environmental agencies.

City of Sausalito, Capital Improvement Projects. Resident Engineer/Inspector. This \$1.5 million CIP improved the City's public works infrastructure. Ernest and his team developed a **successful public outreach approach** to inform the public of upcoming construction projects. Methodologies ranged from use of City website to disseminate and update information, neighborhood meetings, setting up a project hot line, and door hangers. Ernest reviewed contractor's submittals in conjunction with the City Engineer. He prepared weekly statement of working days. He documented contractor's operations in daily diaries. He resolved construction issues including redesigning the alignment of the horizontal directional drilling of the eight-inch HDPE storm water pipe through precipitous terrain and avoiding an important public trail. Ernest convinced the City to close roadways completely and construct PCC roadways expeditiously. **The result was successful project completion ahead of schedule, coupled with safety issue prevention.** Additionally, using the high-strength curing resulted in quicker opening of the roadway and very satisfied residents.

- **2011 Street Improvements:** Roadway reconstruction, structural patches, slurry seal, asphalt overlay, PCC and AC paving on steep and winding roads, sanitary sewer replacement via pipe bursting, sidewalk installation, utility work,

storm drain replacement (open trench), soldier pile retaining wall installation. A partial roadway closure was planned for paving on Richardson Road and San Carlos. The Harris team implemented a full closure in order to expedite the construction operations and opening of the roadway. Ernest updated the residents of this change using door-to-door communication. He used high-strength curing concrete to gain strength more quickly than regular concrete. **In total, Ernest reduced the construction schedule by several weeks, saving the City both time and money.**

- **ADA Right-of-Way Improvements:** This project took place along the high-density, high-volume, and **popular tourist destination** of Bridgeway Boulevard and adjacent streets within downtown Sausalito. Tasks included construction and upgrade of curb ramps, creation of eleven new on-street ADA parking stalls, and retrofit of two stalls. Work required relocation of utilities in curb ramp space and installation of pavement striping and markings. The project location falls within a popular tourist destination along high-end, quiet residential streets. The team implemented a **high degree of public outreach and traffic management to minimize the impacts of construction activities on residents, businesses, schools, and the public.**

City of Richmond, Annual Pavement Rehabilitation and Streetscape Improvements. Construction Manager. The annual projects involved base failure repairs, crack sealing, cold planning of existing AC, overlaying or reconstructing of existing pavement and installing signal detector loops. Ernest approved and transmitted all traffic control plans for construction in densely populated roadway corridors. Contract administration was his leading responsibility. Additionally, he **conducted public outreach**, progress payments, contract change orders, **compliance to Caltrans LAPM**, and worked closely with Caltrans and City staff.

Brett Barnett, PE, CCM, QSD

Project Director

Brett Barnett has more than 28 years of construction management and design experience, responsible for schedule management, contract change orders, and claim management. He has managed more than \$1.5 billion in construction and is intimately familiar with Caltrans construction management methods, as well as design-build construction procedures. Brett has extensive experience directing the work of more than twenty field engineers, negotiating change orders, resolving contractor claims, reviewing CPM schedules, and clarifying plan document discrepancies.

In fact, Brett Barnett recently conducted an eight-module construction management training course with Santa Rosa managers and inspection staff in early 2015 to demonstrate our proficiency and help Santa Rosa be prepared to deliver projects. The Harris team knows what works, and will suggest innovative new approaches and the latest state-of-the-art documentation technology like NewForma and other Construction Management support materials for your consideration.

Relevant Experience

- **City of Santa Rosa**, *Construction Management Training*.
- **Orange County Transportation Authority**, *SR-22 Improvements Design-Build*. Resident Engineer/Structures Representative.
- **Los Angeles Metropolitan Transportation Authority**, *I-405 Sepulveda Pass Widening Design-Build*. Deputy Project Director.
- **City of Pico Rivera**, *Passons Boulevard Grade Separation*. Project Director.
- **California High Speed Rail Authority**, *High-Speed Rail Construction Package 1 Design-Build*. Project Manager.
- **City of Moreno Valley**, *Sunnymead Boulevard Revitalization*. Project Manager.
- **San Bernardino Associated Governments**, *State Street/University Parkway Grade Separation*. Project Manager.
- **City of Riverside**, *La Sierra Interchange and Grade Separation*. Project Director.
- **County of Riverside**, *I-15 New Freeway Interchange at Cantu-Galleano Ranch Road*. B/C Reviewer.
- **Caltrans District 8**, *On-Call Roadway Construction Engineering/Inspection Services (08A1480)*. Project Manager.

EDUCATION

BS, Civil Engineering

REGISTRATIONS

Professional Civil Engineer, CA

CERTIFICATIONS

Qualified Stormwater Pollution Prevention Program Developer (QSD)

Certified Construction Manager (CCM)

AFFILIATIONS

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

Construction Management Association of America (CMAA)

Washington Association of Sewer and Water Districts (WASWD)

Women's Transportation Seminar (WTS)

Tereso Rodriguez

Inspector

Tereso Rodriguez is fascinated with and has developed a keen sense of problem-resolution. When Tereso is not assessing needs and responding with viable solutions on the construction site, you can find him tinkering with his old farming equipment, testing different possibilities to have them be, once again, operational.

EDUCATION

BS, Civil Engineering

CERTIFICATIONS

Troxler, Nuclear Testing

TRAINING

Asphalt Pavement Quality
through Compaction Control

Relevant Experience

City of Santa Rosa, Farmers Lane Partial Interchange. Roadway/Structures Inspector. This \$4.4 million project required **Caltrans oversight** and encompassed reconfiguration of the intersection of Farmers Lane and Highway 12. Notable structures on the project included Farmers Lane undercrossing, and a 130-foot, single-span, cast-in-place prestressed box girder bridge. The erection and removal of 70 feet of falsework over Farmers Lane was performed during night closures to conform with Caltrans standards. Other structures included three masonry block sound walls supported by CIDH pile foundations. Tereso provided inspection for roadwork, bridge work, paving, guardrail, striping.

City of Petaluma, Bodega Avenue Widening Improvements. Inspector. This \$2.8 million **roadway widening** project included a new traffic signal at Bantam Way, a modified traffic signal at North Webster Street, a two-way left turn lane, bike lanes, sidewalks, curb ramps, and bulb outs. The project also included **upgrading utilities** such as storm drainage, water and sanitary sewer mains, asphalt overlay, and historic style street lights. Tereso was the on-site inspector for all construction work. Responsibilities included performing inspection and reviewing construction safety, grading, signing, paving, and striping.

City of Petaluma, McDowell Boulevard/E Washington Street Intersection Improvement. Inspector. This \$3.1 million project included extending the Washington Creek **box culvert, widening streets** approaching the intersection by up to five feet, adding architectural features such as benches and installing historic looking traffic signals. The project involved 16-inch to 18-inch diameter water mains, PCC pavement, roadway structure section and traffic signalization system construction. Tereso served as the on-site inspector for all construction work. Work included electrical, concrete culvert and sidewalks, new water connections, revamping of water mains, and cast-in-drill holes (retaining wall).

Alameda County Transportation Authority, I-880/Hegenberger Road Interchange. Inspector. This \$14.5 million interchange improvement project provides access to the Oakland International Airport. The project included the replacement of the westbound bridge and reconfiguration of all the freeway ramps. The interchange underwent a dynamic series of improvements—the most notable being the replacement of the northern bridge, which carries westbound traffic, with a 65-foot-wide, four-lane structure. (The four-lane southern bridge remained in place.) The new bridge accommodated the widening of I-880 to 10 lanes plus collector-distributor roads. This project was managed for the Authority under **Caltrans oversight**. Tereso served as the senior construction inspector for all roadway and bridge items, and directed the work of other inspectors.

Bob Comacho

Construction Inspector

Bob Comacho has 20 years of experience in the construction industry and has been responsible for all types of inspections on projects including multi-story concrete fill-up projects, subdivision infrastructure projects, shopping centers, multi-level masonry construction, pavement rehabilitation, bridges and sewer pipelines. He has demonstrated the ability to coordinate, communicate, and interact effectively at all levels.

Relevant Experience

Mountain House Community Services District, On-Call Construction Management and Inspection. Structural Inspector. Harris has been providing on-call construction management and inspection for seven years. Bob has provided inspection for nearly every aspect of these new developments, verifying the contractor provides quality infrastructure to MHCSD and **participating in public outreach efforts and Caltrans coordination.** Bob observed and reported on contractor work, monitoring progress of excavation, grading, pipeline installation, backfill and testing. Bob also checks that the materials are installed and verifies substantial compliance with the plans and specifications. Harris has been responsible for providing construction management and inspection for a variety of development related projects, including **new roadway;** sidewalk, curb, and gutter; and infrastructure for new utilities. Other aspects have included **bridges, signalized intersections, storm drains, landscaping, soundwalls,** and water meters.

City of Modesto, Carpenter Road Bridge. Construction Inspector. This project involved improvements to seismically strengthen the bridge, widening it to align with the approaching road, and strengthening the railing. Bob oversaw the daily activities of the bridge construction, which included oversight of as many as six crews working on site simultaneously. He monitored backfill operations, checked all construction materials, monitored labor activities, and documents, and provided information and clarification of the project plans and specifications. The project included a **significant public outreach effort.** The team walked neighborhoods to meet with residents and talked with all utility providers in the field. This project required one-way traffic operations during daytime construction activities. Careful planning and coordination of the existing signals and controlled intersections was critical to minimizing complaints to City Hall and the press. Within a few days of implementing the traffic control measures, and with a few adjustments to the plan, **local traffic was moving well through the construction project site.**

Federal Highway Administration, On-Call Construction Management and Inspection – Yosemite Pavement Preservation. Construction Inspector. This \$3 million included milling and patching (using the pulverized material as base material), crack sealing, chip sealing, micro-surfacing, ultrathin bonded wearing course, and new striping. Bob was responsible for inspecting various types of **road rehabilitation** processes including crack sealing, micro surfacing, ultra thin bond wearing course placement. Production schedule required day and night work, scheduling of sampling and testing of materials being used verifying materials submitted were being used.

EDUCATION

Coursework, Computer Aided Drafting

Coursework, Architectural and Engineering Drafting

CERTIFICATIONS

American Concrete Institute (ACI), Field Tech Level I

International Code Council (ICC): Structural Steel/Welding,

Structural Masonry, Structural Reinforced Concrete

Troxler, Safety Certification

Federal Highway Administration, On-Call Construction Management and Inspection – Washington Road. Construction Inspector. This project consisted of placement of cold recycled base material, reconstructed Class 2 AB and AC, and construction and installation of a box culvert. Bob's responsibilities included monitoring the reconstruction of sloped hillsides and the installation of new corrugated metal pipe culverts. Bob communicated daily with the contractor, subcontractors, and testing contractor to verify compliance with the contract documents and specifications. He was responsible for inspecting equipment for proper maintenance and operating conditions; preparing daily inspection reports; verifying billable material quantities; inspecting all materials used during construction; and monitoring and recording labor hours.

Federal Highway Administration, On-Call Construction Management and Inspection -Lassen Volcanic National Park Road Improvements. Construction Inspector. This project included 22.11 miles of asphalt pavement **roadway rehabilitation and replacement.** Bob was responsible for identifying and recommending repairs for the deteriorated roadway sections; monitoring 10 miles of road chip sealing operations; identifying and monitoring all culvert repairs; monitoring the stone headwall installations; final fog sealing operations; and roadway striping. He provided clarification of the project plans and FHWA specifications, special contract bid items to the contractor; and communicated any and all issues to the FHWA Project Manager.

Federal Highway Administration, On-Call Construction Management and Inspection –Monolith Gardens Road Widening and Trailhead Turnout at Southbound U.S. 99. Construction Manager. This project required 1,800-LF of **roadway widening,** and construction of the Monolith Gardens Turnout, which included installation of new roadway guardrail system and Arizona Department of Transportation-certified cattle guard and fencing. Bob was responsible for monitoring the contractor's construction schedule and for all correspondence between FHWA and the contractor, review of all submittals, requests for information, verification of progress payments, and bid quantities, as well as coordinating and monitoring the activities of the onsite FHWA inspector.

City of Elk Grove, Comprehensive Municipal Services. Construction Inspector. Work for these projects included frontage improvements and new home developments. Bob was responsible for the inspection of sewer and water main trench backfill above the pipe zone; installation of storm systems; street improvements including street sub-grade preparation, aggregate base installation and AC placement. Bob provided daily inspections of multiple projects and project types from residential to commercial; monitored as many as 28 projects a day; scheduled and monitored all required compaction tests; performed final inspection and acceptance of all street paving, signage, and other infrastructure.

Martin Errecart

Electrical Inspector

Martin Errecart has more than 20 years as an electrical inspector and more than 22 years of experience as an electrical contractor. This means he brings a comprehensive knowledge of electrical construction and a unique understanding of both sides of the project issues. He is able to anticipate and mitigate problems before they occur and holds the electrical contractor accountable to the plans and specifications. Martin is known for having a good rapport with the electrical designer on all his projects. This streamlines the construction process and cultivates a collaborative partnership to ensure project goals are met.

EDUCATION

BA, Physical Education

TRAINING

Electric Instrumentation
School, Chanute AFB, IL

Relevant Experience

Metropolitan Transportation Commission/Caltrans, Ramp Metering and Traffic Operations System (TOS) Repair Projects. Electrical Inspector. This project involves improvements on SR-4 between Solano Way and Railroad Avenue, and on SR-242 between Clayton Road and Olivera Road. Traffic Management Systems (TMS) elements include ramp metering system, communication system, traffic monitoring stations, microwave vehicle detection system (MVDS), loop detection system, closed-circuit television (CCTV) camera system, and installation of pull box theft deterrents. Martin inspected electrical improvements including installation of loop detection system, installation of meter-on light standard, activation of meter-on signs, and installation and terminations of control cabinet wiring. **This project dramatically improved traffic flow on SR-4 and SR-242 and won public praise of MTC, Caltrans, and the Harris team.**

City of South San Francisco, US 101 Interchange Improvements. Electrical Inspector. This project involves various improvements of on- and off-ramps along US 101. Features include retaining wall and barrier construction and modifications, **roadway widening and paving**, striping, and signing. Martin's responsibilities included inspection of traffic signal modifications or installations at four separate locations. He also inspected lighting modifications.

City of South San Francisco, Standby Generator and Elevated Bus Duct Replacement. Electrical Inspector. This \$4.5 million project involved the replacement of the aging standby generator and emergency bus duct. Martin was responsible for inspection of all electrical and instrumentation systems. He worked closely with PG&E, who furnished the new transformer.

City of South San Francisco, Wet Weather Program/Lindenville Storm Drain Pump Station. Electrical/Instrumentation Inspector. This \$4 million project included construction of a pump station and of 36-, 28-, and 48-inch gravity stormwater sewer mains. Martin worked closely with PG&E to confirm that when utility power is shut off, the emergency generator was able to start up and the station remained operational.

Stephanie Martin

Biologist

Stephanie Martin is an ecologist with extensive experience conducting research on sensitive wildlife across the United States. Since completing her graduate research on the northern spotted owl at Humboldt State, she has worked on multiple large-scale wildlife projects across Northern California and the Sierra Nevada Mountains. As a wildlife biologist Stephanie specializes in: spotted owl management, raptor surveys, nesting bird surveys, species-specific educational trainings, and overall biotic inventories. She prepares reports for and coordinates with state and federal agencies for the approval of environmental permits for development projects. As a Project Manager Ms. Martin leads Biological Assessments for large and small projects requiring compliance with the California Environmental Quality Act (CEQA) and the National Environmental Protection Act (NEPA), these projects include biotic inventories, timber harvesting, land conversion, and development plans/permits. Ms. Martin's experience includes conducting state and federal protocol special status species surveys, assisting on wetland delineations, and coordinating with state and federal agencies.

EDUCATION

MS, Wildlife Biology

BS, Wildlife Ecology

AFFILIATIONS

The Wildlife Society

Relevant Experience

Mendocino County, School Way Bridge Replacement. Senior Biologist. Project manager responsible for oversight and monitoring of regulated species, their habitats, and their respective mitigation measures with the potential to be affected by construction or other project related activities. Included site visits, reports, and on-site environmental trainings and development of related training materials.

Caltrans, Willits Bypass Nesting Bird Surveys. Project Manager. Managed nesting bird search effort on a 7-mile-long project area, a highly visible and publicly scrutinized project impacting grasslands and forested lands around the town of Willits. Worked directly with the Biologist of Record to coordinate nest-searching effort with construction effort. Responsible for screening, hiring, training, & QA/QC oversight on all biological data related to nest search effort.

USFS, Eddy Late-Successional Reserve, Environmental Impact Statement for fuels reduction. Project Biologist. Conducted field assessments, established baseline, & determined potential effects of proposed fuel reduction on habitat and wildlife within a 62,000-acre project in a National Forest. Took existing data and evaluated quality and quantity of all sensitive species habitats and then examined the same habitats post-prescription. Collaborated with stakeholders (CDFW, USFWS, USFS) and numerous other consultants on the project. As a team we wrote a prescription for fuels reduction that would not result in "take" of listed species and yet would reduce possibility of catastrophic stand replacing forest fires.

Royal Gorge Ski Are, Ski Area Expansion Project. Senior Biologist. Managed 2,000-acre 950-unit housing and ski terrain expansion project including biological resources assessment, wetland delineation, special-status plant surveys, in support of the County, State, and Federal permitting process.

Helmut Korstick, PLS

Project Surveyor

Helmut Korstick has over 28 years of surveying experience. He has worked as an office surveyor performing calculations and also has extensive experience with field boundary surveys, construction staking and topographic surveys. Helmut has performed topographic surveys and construction surveys on several state highway and bridge projects in Northern California.

EDUCATION

Defense Mapping Agency
Geodetic Survey School

CERTIFICATIONS

Registered Land Surveyor, CA
Certified Federal Surveyor

Relevant Experience

Caltrans District 4, *On-Call Land Surveying (Contract No. 04A3632)*. Project Surveyor. Project work included various control surveys, supplemental design surveys, and construction staking projects under this on-call survey support contract covering. Projects were located in Contra Costa and Alameda counties. Task orders included sites along the I-580, I-680, I-80/Bay Bridge, and Route 4 corridors.

Caltrans District 4, *On-Call Land Surveying and Right-Of-Way Engineering (Contract No. 04A3157)*. Project Surveyor. Project work included various control surveys, supplemental design surveys, and construction staking projects under this on-call survey support contract covering projects in Contra Costa and Alameda counties. Projects included the new Benicia – Martinez Bridge and nearby interchange modification projects along I-680 and I-780 and Route 4. Other project sites included bridge and interchange modifications to support widening projects along the I-580, I-680, and I-880 corridors.

Napa Sanitation District, *On-Call*. Project Surveyor. Task orders under this on-call surveying contract included plant upgrades, a major expansion for the recycled wastewater treatment facility, pump stations and wastewater and recycled water mains and ponds.

Vallejo Sanitation & Flood Control District, *On-Call*. Project Surveyor. Provided on-call surveying services both directly to the District and to consultants and contractors. Projects have included plant upgrades, pump stations, wastewater pipelines, structures, and right-of-way and topographic surveys.

Napa Sanitation District, *North Napa Trunkline Rehabilitation*. Project Surveyor. Work involved support of rehabilitation of an 18" ACP trunkline running along a creek in residential neighborhoods. The scope of work for this project involved reviewing video data and field review of manhole conditions, field surveys, evaluation of pipeline and manhole rehabilitation options, preparation of a project report, preparation of plans and specifications, and CEQA review documentation. Various pipeline and manhole options were reviewed including lining, bursting, and direct replacement.

Sudhir Chaudhary, PLA

Project Surveyor

Sudhir Chaudhary is responsible for supervision and coordination of field crews and has extensive field experience in all aspects of surveying including public land, hydrographic, and boundary retracement surveys. He is well versed in preparation of Tentative Maps, Final Subdivision Maps, Parcel Maps, LandNet, and Annexation documents. He routinely prepares construction staking data for field crews. He has been instrumental in setting up a CAD Lab for drafting technology at Napa Valley College and has taught classes to Engineers, Architects, and other professionals at Napa Valley College for over sixteen years.

EDUCATION

BA, Economics

CERTIFICATIONS

State of California Community College Teaching Credential

Registered Professional Land Surveyor, CA

Relevant Experience

City of Berkeley, Virginia Street. Project Manager. Project involved preparation of design survey for 21,000 linear feet to sewer line to be rehabilitated or reconstructed. Sudhir prepared land network for about 300 adjoining property owners.

Ross Valley Sanitary Sewer District, Surveys. Project Manager. Sudhir prepared design surveys for 19 sites spread throughout Marin County. The sites required traffic control, access to environmentally sensitive areas, and coordination with property owners.

City of Vacaville, Davis Street. Project Manager. Sudhir prepared the topographic mapping, resolution of boundary issues, preparation of several plat and legal descriptions, construction staking, relinquishment of a portion of Bella Vista Avenue, and filing a Record of Survey with Solano County Recorder's office.

City of Vacaville, Alamo Creek Bicycle Path Improvements. Project Manager. Sudhir provided topographic mapping, creek cross-sections and prepared a LandNet showing adjoining subdivisions and the Southern Pacific Railroad right-of-way. The horizontal and vertical mapping datums were based on City of Vacaville Record of Survey Map 22RS10.

City of Vacaville, Bella Vista to Hickory Lane. Project Manager. Sudhir was in charge of providing a Base Map prepared by photogrammetric methods for Davis Street widening on the west side between Bella Vista and Hickory Lanes. The basis of horizontal and vertical datums were as shown on City of Vacaville Record of Survey Map in Book 22RS10. Sudhir also prepared a LandNet showing adjacent parcels and right-of-way lines. All CAD work was done per City of Vacaville Layering and CAD Standards.

Solano County ALTA (American Land Title), Survey. Project Manager. This 300-acre property in Solano County was mapped by aerial photogrammetric methods and section lines were retraced. The mapping is to be used for design of interior roads and other infrastructure for an energy harvesting project.

Jacqueline Majors

Public Outreach

Jacqueline Majors has more than 25 years in the industry experience directly related to outreach on large and small projects; she has unparalleled experience working with multiple agencies, navigating the complexities that can be associated with multiple funding sources through outreach efforts, surveys, neighborhood council meetings and workshops. Jacqueline is currently working with the City of Richmond as the Public Relations/Community Outreach contact providing monthly updates via community meetings, social media and print on the \$27 million Moody Underpass project. Jacqueline has a close relationship with the community and business leaders. She is effective in developing and managing small and large outreach programs; via community outreach, e-mail solicitation, social media, flyers, newsletter, websites. Jacqueline provides support services to primes and sub contractors on outreach efforts in reaching qualified M/WBE and SB's with targeted opportunities. She was successful implementing the first Contractors 10-week Bootcamp Workshop for small and minority contractors for West Contra Costa Unified School District bond program.

EDUCATION

Turner Group of Construction Courses

Women's Initiative Simple Steps Business Graduate

Certificate, Business Administration

Relevant Experience

City of Richmond, Officer Bradley A. Moody Underpass. Community Outreach Coordinator. As the community outreach for the City of Richmond, Moody Underpass grade separation project, Jacqueline is responsible for the community outreach to the Marina Bay Community HOA's, Marina Bay Neighborhood Council, and local businesses. The project involves, assisting the agency with coordination of the groundbreaking and ribbon-cutting ceremony. Jacqueline has diligently been involved with the City, GC and the community needs of detour signs, way-finding signs for businesses and local community with design and locations. Jacqueline maintains the project website/social media with weekly updates and photos. Jacqueline has created a 'Do You Know Your Route' cards that was distributed throughout the community before road closure. Jacqueline addresses all concerns with the construction from noises, dirt, signs, business loss, outages etc. with the neighbors and local businesses. Jacqueline has a close relationship with the community and business owners in the area.

Greenprint Transportation, "Easy Go Richmond". Community Outreach Coordinator. JMA provided Easy Go Richmond Pilot program PR & Marketing and Outreach for the City of Richmond and Greenprint Transportation Company. Easy Go Richmond pilot program provided electric cars, bicycle rental, rental vehicles and a clipper card program for low income families along with AC Transit. Jacqueline was responsible for informing the community of the opportunity of the pilot program around the surrounding communities, as well as supervise staff at rental locations through effective press and outreach events with monthly publications to residents. Jacqueline worked with AC Transit in implementing the clipper card to low-income families in several housing communities.

Jennifer Hildebrant

Environmental/Arborist

Jennifer Hildebrant serves as an environmental manager for a wide range of public works and transportation projects. She has extensive experience preparing environmental documentation in compliance with CEQA, NEPA, the Endangered Species Act of 1973 (Section 7 consultation), the National Historic Preservation Act of 1966 (Section 106 process), and the National Transportation Act of 1966 (Section 4(f) process). In addition, her expertise includes an in-depth knowledge of Caltrans guidelines and templates. Her experience has included all aspects of project management, including authoring environmental documentation and technical studies, subcontractor management, managing project budgets and schedules, and coordinating with state, federal, and local agencies.

Relevant Experience

Stanislaus County, North County Corridor. Environmental Services Manager. Jennifer is the co-author of several technical studies and the EIS/EIR for this project which is an east-west expressway located in Northern Stanislaus County. Jennifer also conducted archaeological survey field work along the corridor. Proposed works include improvements to the existing roadway, new roadway, roadway access, at-grade intersections, and bridge work and grade separations.

San Joaquin County, On-Call Environmental Support Services. Project Manager. This environmental on-call contract which included a range of environmental and regulatory compliance services for various transportation projects.

City of Sacramento, R Street Improvements, 13th to 16th Streets. Environmental Services Manager. Jennifer is working on the CEQA/NEPA clearance for the third phase of the R Street Streetscape project. Jennifer is responsible for authoring the community impact, visual and any necessary Section 4(f) reports for the proposed project. She is also the primary author for the environmental document.

City of Sacramento, R Street Improvements, 10th to 13th Streets and R Street Market Plaza. Project Manager. These projects proposed to reconstruct the roadway and provide pedestrian improvements along an historic industrial district in Sacramento. Jennifer served as the project manager and co-author for the preparation of the environmental documentation (IS/MND) and technical studies for two projects along the R Street Corridor. These projects included full Section 106 compliance for cultural resources, community impact reports, visual resource technical memorandums and Section 4(f) Temporary Occupancy memorandums. Jennifer also performed archaeological monitoring services during construction.

City of Sacramento, Folsom Boulevard Widening, Ramona Avenue Extension. Environmental Services Manager. This project proposed construction of a new roadway location near Sacramento State University to help facilitate redevelopment of the 65th Street area corridor. Key issues included a National Register eligible property and endangered species. Prior to joining DHA, Jennifer served as the project manager and co-author of the environmental clearance document (EIR/EA) and technical studies. Additionally, a Section 4(f) Temporary Occupancy memorandum was prepared for this project.

EDUCATION

MS, Environmental Management

BS, Anthropology (Archaeology and Environmental Science and Policy)

AFFILIATIONS

Association of Environmental Professionals

American Public Works Association

Women's Transportation Seminar

Lindsay Tisch, CPSWQ, QSD

Biologist

Lindsay conducts habitat assessments, fish sampling, vegetation surveys, wetland delineations, and provides support on ecological risk assessments. She has surveyed for and/or monitored threatened and sensitive species including Swainson's hawk, burrowing owl, California tiger salamander, California red-legged frog, western spadefoot, giant garter snake, and valley elderberry longhorn beetle. In addition to electro shocking, she is knowledgeable in setting hoop nets and PIT tagging fish. She has experience with data collection using DGPS technology and can convert field data into maps using ArcGIS and AutoCAD software. She has been involved in several prescribed burn applications.

Relevant Experience

US Coast Guard, TRACEN Petaluma Wastewater Treatment Facility Upgrade.

Biologist. Lindsay was a qualified USFWS and DFW biologist and monitor for CTS during ground disturbing activities associated with the wastewater treatment facility upgrade. Monitoring activities included checking all equipment and pipes for wildlife prior to starting work; monitoring excavation and backfilling of the jack and bore pits for tunneling; and monitoring the excavation of trenches for sprinkler installation.

Stockton Delta, Water Supply Project Feasibility Study, EIR, and Permitting.

Biologist. Lindsay was a USFWS and DFW qualified biologist and monitor for giant garter snake and conducted biological daily monitoring at the WTP, along the pipeline, and at the intake facility. This included observing the filling of ditches in giant garter snake habitat, observing microtunneling activities under waterways, and drafting weekly monitoring reports as well as ensuring that the project installed and maintained the appropriate BMP measures. In addition, several large oak trees were considered Heritage Trees and Lindsay monitored the installation of the protective fencing and ensured that the trees remained protected through the duration of construction.

CCWD/US Bureau of Reclamation, Los Vaqueros Reservoir Expansion.

Biologist. Lindsay was a USFWS and DFW qualified biologist for construction monitoring activities. Lindsay identified larval CTS in a seasonal wetland within the project footprint and she excavated ground squirrel burrows to ensure that California tiger salamanders were not aestivating within the project footprint. She monitored tree removal activities with an established 50-foot buffer around a great horned owl nest. Special status species monitored for included San Joaquin kit fox, California red-legged frog, California tiger salamander, Alameda whipsnake, burrowing owl, golden eagle, and western pond turtle.

EDUCATION

BS, Fisheries and Wildlife Management

REGISTRATION

Certified Professional - Storm Water Quality

Qualified Stormwater Practitioner/Developer

TRAINING

Rare Pond Species Survey - Techniques Workshop

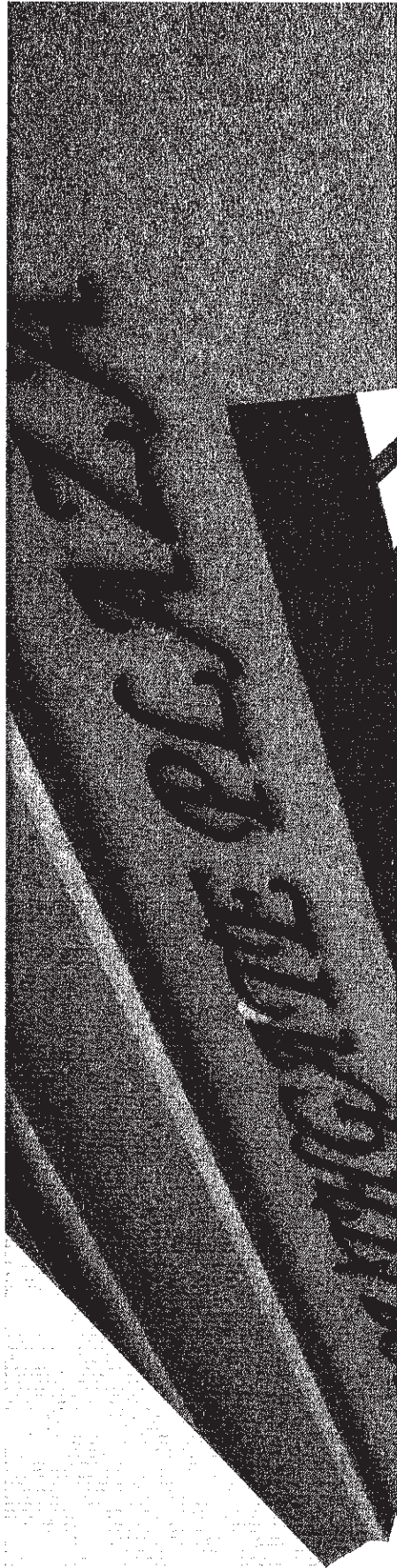
California Anostracan and Notostracan Identification Class and Practical Exam

Special Status Amphibians and Reptiles of Northern California

AFFILIATIONS

American Fisheries Society

Wildlife Society



5. SCHEDULE

City of Santa Rosa
Stony Point Road Project (Phase 2)
 Anticipated Construction Schedule
 May 2015 - September 2016

Activity Name	Original Duration	Start Date	Finish Date	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	
Stony Point Road Widening and Reconstruction Phase 2 Project	300																				
Reconstruction Services		1-May-15	29-May-15																		
Submittals & Schedule Review	20	1-May-15	1-May-15																		
Pre-construction Conference		27-May-15	27-May-15																		
Construction Services																					
Resident Engineering	300	1-Jun-15	9-Aug-16																		
Construction Administration	300	1-Jun-15	9-Aug-16																		
Structural Engineering	300	1-Jun-15	9-Aug-16																		
Office Engineering	300	1-Jun-15	9-Aug-16																		
Quality Assurance/Inspection	300	1-Jun-15	9-Aug-16																		
Construction Staking	300	1-Jun-15	9-Aug-16																		
Environmental Compliance	300	1-Jun-15	9-Aug-16																		
Public Relations	300	1-Jun-15	9-Aug-16																		
Coordination Meeting	300	1-Jun-15	9-Aug-16																		
Document Control	300	1-Jun-15	9-Aug-16																		
Job Site Safety	300	1-Jun-15	9-Aug-16																		
Safety and Maintenance Review	1	25-Jul-16	25-Jul-16																		
Punchlist	11	26-Jul-16	9-Aug-16																		
Order Miscellaneous Scope of Services	300	3-Jun-15	9-Aug-16																		
Reconstruction Services																					
Submittal and Final Completion Services	33	10-Aug-16	26-Sep-16																		
Record Completion and Submittal	22	10-Aug-16	9-Sep-16																		
O & M Manual Submittal Coordination with Contractor	1	9-Sep-16	9-Sep-16																		
Obtain Warranty & Lien Release	5	12-Sep-16	15-Sep-16																		
Final Construction Project Report	1	16-Sep-16	16-Sep-16																		
Deliver Record Files	5	19-Sep-16	23-Sep-16																		
Processed Complaint	1	26-Sep-16	26-Sep-16																		



6. REFERENCES

City of Santa Rosa

69 Stony Point Road
Santa Rosa, CA 95404

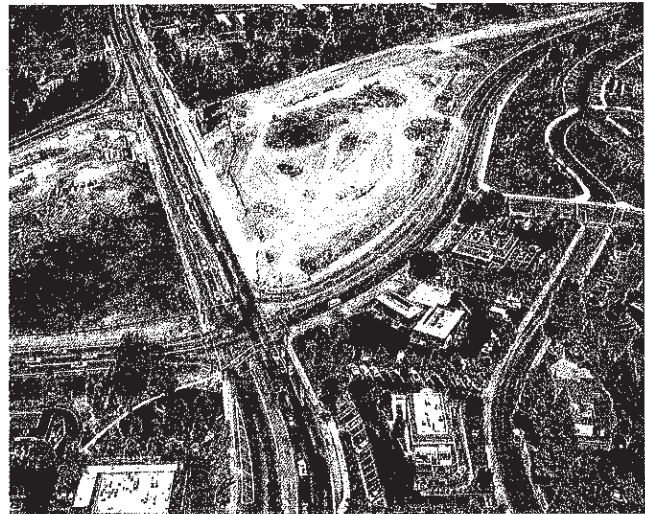
David Vandevener, Associate Civil Engineer
(707) 543-4521

Harris understands the City of Santa Rosa's procedures and expectations and has a long-standing relationship with the City, starting with the design of your \$2.1 million Bonavita Heights Sewer and Water System Replacement project in 1996. Since then, we have provided the City with construction management services on the \$4.1 million Farmers Lane/Highway 12 Partial Interchange project – Phase 1 and Phase 2 in 2004, and the \$1.1 million 6th Street Undercrossing Improvements project in 2012.

Recently, Project Director Brett Barnett conducted an 8-module construction management training course to Santa Rosa managers and inspection staff. Topics included roadway inspection, coordination with Caltrans and utility agencies, ADA construction compliance, scheduling, contract changes/claim avoidance, partnering and legal requirements on projects among other subject matter.

SR-101/6th Street Undercrossing Improvements

This project facilitates the improvement of on- and off-ramp access to and from Highway 101; the safe, free-flowing movement of vehicular, pedestrian, and bicycle traffic; and simplified access to local shopping centers, the proposed SMART downtown train station, and businesses on either side of Highway 101. Construction included the narrowing and reconfiguring of lanes near the on- and off-ramps. Elements included:



Harris worked with the City to satisfy Caltrans oversight and permit requirements during the 6th Street Undercrossing Improvements and Farmers Lane/Highway 12 Partial Interchange projects.

Traffic Control and Caltrans District 4

Coordination. Ernest Ezeoha worked closely with the City's traffic engineer and the contractor to develop and implement traffic control and lane closures approaching the on- and off-ramps. The team also assisted in developing an effective pedestrian control plan around construction areas.

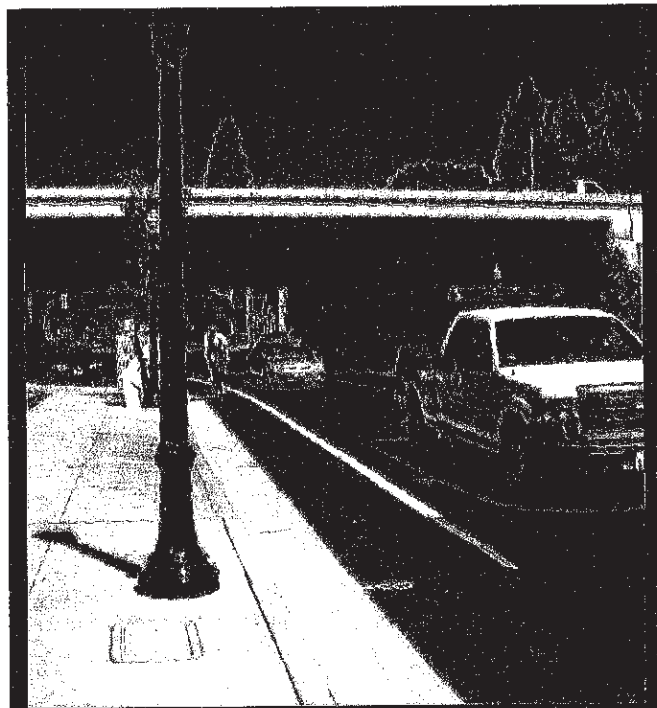
Ernest worked closely with the Caltrans District 4 oversight engineer in satisfying the requirements of the encroachment permit and cooperative agreements, as well as maintenance and operation of state facilities affected by construction activities. The team also came together to relocate a homeless camp within the project

limits. **The relationship developed between Caltrans and Harris resulted in an atmosphere of mutual trust and greatly contributed to keeping the project on schedule.**

Public Outreach. Downtown Santa Rosa and nearby residences were to be greatly impacted by the undercrossing construction. Well in advance of construction, the Harris team initiated a pre-construction meeting so they could educate the public about the construction process and get a clear understanding of the public's expectations. Additional outreach included a changeable message sign posted near the site, allowing for the most up-to-date information.

On Schedule. Ernest's research efforts prior to construction turned up old as-builts for this area, revealing the locations of existing electrical service points and signal power lines that were eventually used to temporarily energize the existing signalized intersection until new service could be installed. **This eliminated a potential five-day delay.** He also coordinated with the contractor to make sure that all materials would be delivered well in advance of work activities, circumnavigating other potential delays. **Ultimately, the project finished two months ahead of schedule and within budget.**

Utilities. This project included the challenge of several abandoned utilities that were not indicated on the plan or as-builts. It was imperative that a representative of PG&E be onsite to identify various utilities so that construction could proceed with minimal delays. Additionally, the lowering of the roadway came into conflict with an old lead pipeline. This section of the roadway was redesigned in order to accommodate the pipeline's alignment and avoid costly removal of the pipe.



Project Relevancy

- Caltrans coordination
- SWPPP/Environmental
- Roadway Widening
- Traffic and Electrical Signal Work
- Traffic Control
- Public Outreach
- Utilities Relocation/Underground Work
- Structural
- Roadway Paving
- Landscaping
- Striping/Signage

Farmers Lane/Highway 12 Partial Interchange

Farmers Lane and Highway 12 is the busiest intersection in Santa Rosa, with more than 35,000 cars per day. The City, in cooperation with Caltrans District 4, developed a plan that would relieve traffic congestion. The project included:

- New post-tensioned, concrete box girder bridge
- Ramps
- Three soundwalls
- Three upgraded traffic signals
- Significant earthwork

Traffic Control and Caltrans District 4

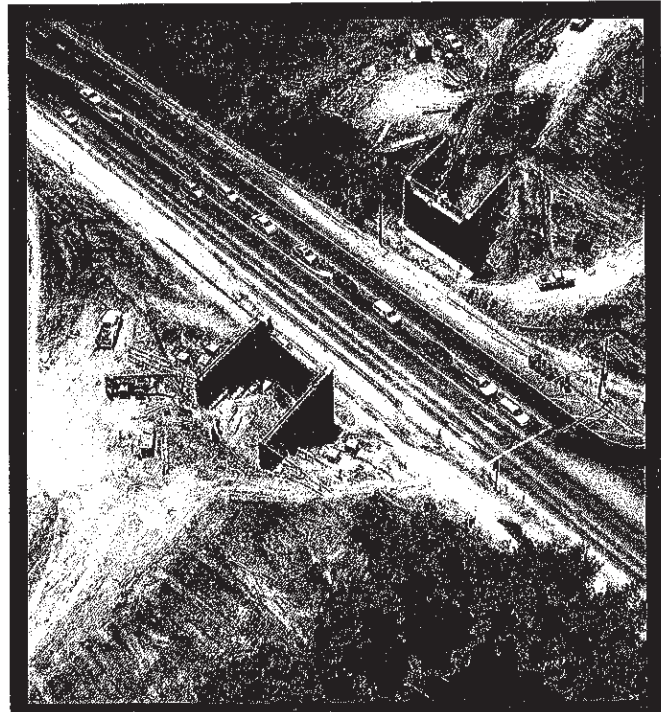
Coordination. Ernest Ezeoha leveraged his positive relationship with Caltrans staff to facilitate the implementation of an effective traffic control plan that included four detours to minimize traffic impacts, occasional night work and off-peak construction to meet Caltrans encroachment permits, and implemented a Construction Zone Enhanced Enforcement Program (COZEEP) that **resulted in an exemplary safety record and saved three weeks in the delivery of the project.** The City received several letters from residents and an article was in the local newspaper, thanking the City and its construction team for rapid action to potentially serious traffic conditions.

Public Outreach. The proximity of businesses and residences to construction required diligent communication with the public. Through the implementation of various communication methodologies, including neighborhood meetings, face-to-face interactions, a hotline, and distribution of newsletters, Harris was able to develop a positive working relationship with the local community. **Harris went the extra mile to meet with local business owners on a daily basis to address their concerns as the project progressed.**

Protecting the City from Excess Costs. At Ernest's suggestion, the City moved the extension of soundwall no. 1 to the next phase of the contract due to the excessive costs being requested by the contractor. **This resulted in saving the City approximately \$100,000.**

Environmental Sensitivity. Ernest enforced environmentally sensitive area mandates to assure the work abutting Caltrans right-of-way was never stopped. The project passed maintenance and safety reviews easily with no delays to project completion.

Utilities. Utilities within the job limit included gas, fiber optic, water, and sewer requiring coordination with PG&E, AT&T, and the City water and sewer divisions. A portion of the job limit had a large diameter gas pipeline that required extra sensitivity and thorough communication with PG&E to ensure that construction could proceed without causing any damage or affecting public safety.



Project Relevancy

- Caltrans coordination
- SWPPP/Environmental
- Roadway Widening
- Traffic and Electrical Signal Work
- Traffic Control
- Public Outreach
- Utilities Relocation/Underground Work
- Structural
- Roadway Paving
- Landscaping
- Striping/Signage

City of South San Francisco

City Hall
P.O. Box 711
South San Francisco, CA 94083

Robert Hahn, Senior Civil Engineer/CIP Manager
(650) 829-3830

US 101 Ramp Improvements

Harris is providing construction management services for the improvements of various on- and off-ramps in the City along US 101. The project improvements include items such as retaining walls, barrier construction/modifications, roadway widening, asphalt paving, striping/signing, lighting modifications, median, curb and gutter, storm drain upgrades and miscellaneous demolition of existing roadway facilities.

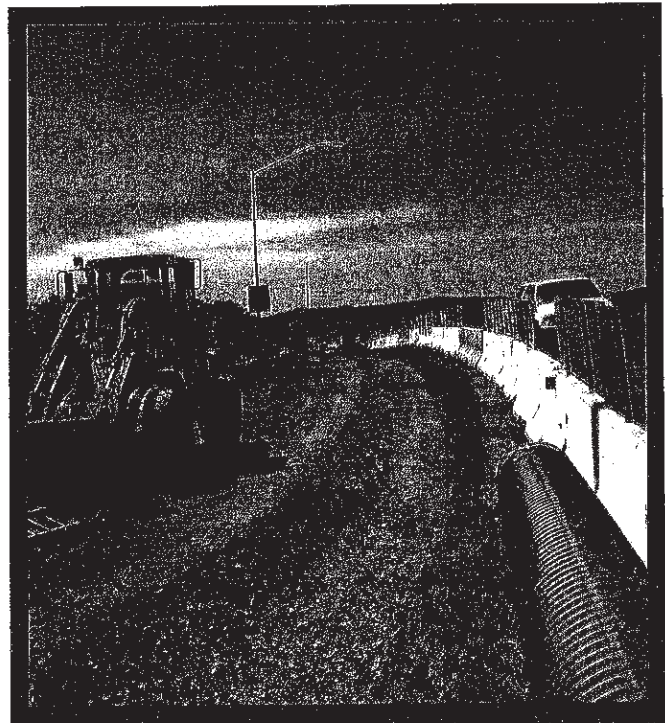
Traffic Control and Caltrans District 4 Coordination. These ramps are highly utilized. As such, it is imperative that **traffic control plans are concisely prepared and impeccably implemented.** Harris reviewed the traffic control plans for completeness and MUTCD compliance and submitted traffic control plans from the contractor one week prior to their implementation to be entered into the Caltrans lane closure system.

Caltrans Coordination. The South San Francisco US 101 Ramp Project was constructed in Caltrans right-of-way. Close coordination with Caltrans was imperative and Local Assistance Manual Procedures were adhered to. Ernest coordinated permit application and extension, review and approval of submittals, and safety and maintenance review of the project. He conducted weekly meetings with project contractor and Caltrans Oversight Resident Engineer and supporting staff where project issues are discussed including schedules, the status of RFIs, RFQs, the status of submittals, issues log, old and new business concerning the project and any other business that is a concern of any stakeholder attending the meeting.

Public Outreach. This project is located adjacent to prominent business organizations and in close proximity to the San Francisco International Airport. Outside of coordinating with various event and sporting schedules in the City, contacts have been developed at the local businesses and notifications will be submitted regularly for the dissemination of information to their employees. This public information effort is accomplished through

the use of newsletters, a website dedicated to the project and Twitter outlining the contractor's three-week outlook, traffic impact information, and construction progress.

Utilities. In addition to standard gas, fiber-optic, water and sewer utilities, there is a Kinder Morgan fuel line that traverses through the project heading to the airport. The Harris team coordinates utility meetings in advance of construction to discuss and resolve relocation issues. Work also includes the installation and modifications to storm drains.



Project Relevancy

- Caltrans coordination
- SWPPP/Environmental
- Roadway Widening
- Traffic and Electrical Signal Work
- Traffic Control
- Public Outreach
- Utilities Relocation/Underground Work
- Structural
- Roadway Paving
- Landscaping
- Striping/Signage

County of Mendocino

501 Low Gap Road, Room 1090
Ukiah, CA 95482

Alicia Meier, Acting Deputy Director
(707) 463-4352

School Way Bridge Replacement over Russian River

Harris is providing construction management and inspection services for the Mendocino County Department of Transportation \$6 million replacement of the existing hydraulically and seismically deficient bridge. Harris project duties include managing all activities of construction management personnel, monitoring schedule/budgets, inspection of bridge and road work, coordinating and performing materials testing, acceptance/rejection of materials, monitoring public safety through the project site. **The Harris team is also ensuring that administration and documentation meets Caltrans Local Assistance Procedures (LAPM) requirements.** Project documentation is also organized to meet the terms of the FHWA Highway Bridge Program as funding comes from a variety of sources including the Local Bridge Seismic Retrofit Account. Project details include:

- Reconstruction of 2,400 feet of roadway alignment
- Roadway section construction, reconstruction, and widening
- Asphalt paving, traffic striping, and signage
- Storm drainage modifications, utility relocations, and associated improvements
- Work within the Russian River West Fork including diversion of the river and hydro-acoustic and biological monitoring of marine life and endangered species

- HBP seismic retrofit/replacement of the existing bridge with a new two-lane, 230-foot single span cast-in-place post-tensioned concrete box girder structure
- Bridge construction staged to minimize disturbance to active waterway with time of year restrictions
- Coordination with North Coast Railroad Authority for the relocation of nearby rail line to accommodate new construction
- Significant **coordination with Caltrans** and many environmental agencies

Project Relevancy

- Caltrans coordination
- SWPPP/Environmental
- Roadway Widening
- Traffic and Electrical Signal Work
- Traffic Control
- Public Outreach
- Utilities Relocation/Underground Work
- Structural
- Roadway Paving
- Landscaping
- Striping/Signage



7. PROPOSED FEE

Our fee is included in a separately sealed envelope.

