

CITY OF FAIRFIELD

RESOLUTION NO. 2017 - 258

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF FAIRFIELD AUTHORIZING
THE CITY MANAGER TO EXECUTE A DESIGN SERVICES AGREEMENT
BETWEEN THE CITY OF FAIRFIELD AND HARRIS & ASSOCIATES FOR
ENGINEERING AND DESIGN SERVICES FOR THE 2018 PAVEMENT
REHABILITATION PROJECT**

WHEREAS, the City intends to rehabilitate the pavement of various arterial and collector streets; and

WHEREAS, there are fourteen signalized intersections within the project area that may require signal design services for ADA and loop detection improvements; and

WHEREAS, Harris & Associates is qualified to perform the engineering and design work; and

WHEREAS, the City has selected Harris & Associates to provide design services for an amount not to exceed \$325,052 for the pavement engineering and up to \$146,757 for traffic signal design work.

**NOW, THEREFORE, THE COUNCIL OF THE CITY OF FAIRFIELD HEREBY
RESOLVES:**

Section 1. The City Manager is hereby authorized and directed to execute on behalf of the City of Fairfield that certain agreement for design services with Harris & Associates for 2018 Pavement Rehabilitation Project for an amount not to exceed four hundred seventy one thousand, nine hundred dollars (\$471,809.00).

PASSED AND ADOPTED this 7th day of November, 2017, by the following vote:

AYES: COUNCILMEMBERS: PRICE/TIMM/BERTANI/MOY/VACCARO

NOES: COUNCILMEMBERS: NONE

ABSENT: COUNCILMEMBERS: NONE

ABSTAIN: COUNCILMEMBERS: NONE

Norm T. Price
MAYOR

ATTEST:
Karen L. Rees
CITY CLERK
pw

AGREEMENT FOR DESIGN SERVICES
2018 Pavement Rehabilitation Project

THIS AGREEMENT, made and entered into as of Nov. 16, 2017, by and between the CITY OF FAIRFIELD, a municipal corporation, hereinafter referred to as "CITY" and Harris & Associates, a California corporation, hereinafter referred to as "CONSULTANT."

RECITALS

A. CITY desires to contract for certain consulting work necessary for the rehabilitation of various arterial and collector roadways, and for the purposes of this Agreement shall be called "PROJECT," and,

B. CONSULTANT is willing and qualified to undertake said consulting work;

NOW, THEREFORE, in consideration of the mutual promises, covenants and agreements herein set forth, the parties do hereby agree as follows:

AGREEMENT

I. **DUTIES OF CONSULTANT**

The CONSULTANT shall provide professional consulting services required for design and construction of the PROJECT as follows (collectively, "Consultant's Services"):

- A. **Project Coordination.** The CONSULTANT's primary contact with the CITY shall be the CITY's Project Manager, Ryan Panganiban, or any other as designated by the City Engineer.
- B. **Project Scope.** The CONSULTANT shall provide the engineering design services in accordance with the Scope of Work attached hereto as Exhibit "A".

- C. CONSULTANT shall, at its sole cost and expense, furnish all facilities and equipment, which may be required for furnishing services pursuant to this Agreement.

II. DUTIES OF CITY

The CITY shall:

- A. Make available previous plans, reports, and all other data relative to the design of the PROJECT and full information as to the CITY's requirements, including title reports and condemnation guarantees as required.
- B. Review preliminary and final plans, specifications, estimates, and other documents presented by CONSULTANT and render decisions within a reasonable time, and give prompt notice to CONSULTANT at any time CITY observes or otherwise becomes aware of any error, omission, or defect in the PROJECT.
- C. Provide for all necessary environmental clearances.
- D. Reproduce and distribute bid documents, advertise the project for bidding purposes, maintain a plan holders list, and distribute addenda.
- E. Provide construction management services as required.
- F. Provide construction inspection and red-lined drawings from which CONSULTANT shall prepare "Record Drawings".
- G. Make all necessary provisions for CONSULTANT to enter upon public and private property as required in the performance of Consultant's Services under this Agreement.

III. MISCELLANEOUS PROVISIONS

- A. CONSULTANT shall not assign any rights or duties under this Agreement to a third party without the prior written consent of CITY.
- B. It is understood by and between the parties hereto that CONSULTANT, in the performance of this Agreement, shall act as, and be, an independent contractor and not an agent or employee of CITY. CITY shall have the right to control CONSULTANT only insofar as the results of CONSULTANT's

Services rendered pursuant to this Agreement; however, CITY shall not have the right to control the means by which CONSULTANT accomplishes the Consultant's Services rendered pursuant to this Agreement.

- C. CONSULTANT represents and warrants to CITY that CONSULTANT has all licenses, permits, qualifications and approvals of whatsoever nature which are legally required for CONSULTANT to practice CONSULTANT'S profession. CONSULTANT represents and warrants to CITY that CONSULTANT shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement, any licenses, permits, and approvals which are legally required for CONSULTANT to practice his or her profession.
- D. Except as CITY may specify in writing, CONSULTANT shall have no authority, express or implied, to act on behalf of CITY in any capacity whatsoever as an agent. CONSULTANT shall have no authority, express or implied, pursuant to this Agreement, to bind CITY to any obligation whatsoever.
- E. CONSULTANT shall assign only competent personnel to perform Consultant's Services. In the event that CITY, in its sole discretion, at anytime during the term of this Agreement, desires the removal of any person or persons assigned by CONSULTANT to perform Consultant's Services, CONSULTANT shall remove any such person immediately upon receiving notice from CITY of the desire of CITY for the removal of such person or persons.
- F. CONSULTANT shall perform Consultant's Services in the manner and according to the standards observed by a competent practitioner of the profession in which CONSULTANT is engaged in the geographical area in which CONSULTANT practices his or her profession. All products of whatsoever nature which CONSULTANT delivers to CITY pursuant to this Agreement shall be prepared in a first-class, professional manner, and conform to the standards of quality normally observed by a person practicing

in CONSULTANT's profession. CITY shall be the sole judge as to whether the product of the CONSULTANT is satisfactory.

- G. CONSULTANT is not a "public official" for purposes of Government Code §§ 87200 et seq. CONSULTANT conducts research and arrives at conclusions with respect to his or her rendition of information, advice, recommendation or counsel independent of the control and direction of the CITY or any CITY official, other than normal contract monitoring. In addition, CONSULTANT possesses no authority with respect to any CITY decision beyond the rendition of information, advice, recommendation or counsel.
- H. The parties hereto agree to immediately and diligently proceed with their respective duties as set forth herein to the end that the PROJECT will be completed satisfactorily within the shortest reasonable time.
- I. The CONSULTANT is not responsible for delay, nor shall CONSULTANT be responsible for damages or be in default or deemed to be in default by reason of strikes, lockouts, accidents, or acts of God: or the failure of CITY to furnish timely information or to approve or disapprove CONSULTANT's Services promptly; or delay or faulty performance by CITY, other contractors, or governmental agencies; or any other delays beyond CONSULTANT's reasonable control.

IV. COMPENSATION OF CONSULTANT

- A. Basis of Compensation. For and in consideration of Consultant's Services, CITY agrees to pay CONSULTANT, and CONSULTANT agrees to accept from CITY as full compensation for said services the following maximum, not to exceed, amount(s):
 - 1. For those services described in Section I. compensation shall be on a time and material basis with a maximum fee not to exceed FOUR HUNDRED SEVENTY ONE THOUSAND EIGHT HUNDRED NINE DOLLARS (\$471,809).
- B. Extra Work and Change Order Fee. Extra Work performed by the CONSULTANT for any work required by the CITY which is not specified as

part of Consultant's Services in Section I, including but not limited to, any changes to CONSULTANT's Services including but not limited to contract change orders after the award of the construction contract by the City Council, or testimony in Court, shall be compensated by the use of the time and material fee rates of the attached Exhibit "B." No extra work will be compensated for unless required by CITY in writing.

C. Schedule of Payments.

1. CONSULTANT shall submit, and CITY shall pay, monthly invoices for work performed during the previous month. For the time and material services billing shall be based on the hourly and fee rate charges set forth in Exhibit "A" attached hereto, and on the number of hours expended on the PROJECT by each classification of employee.
2. In the event PROJECT is terminated, CITY shall pay to CONSULTANT full compensation for work performed up until the date of CONSULTANT's receipt of written notification to cease work on the PROJECT.
3. CONSULTANT shall notify the CITY in writing when the CONSULTANT's invoices total billing is within 25% of the contract compensation as indicated in Section IV.A.

V. TIME OF COMPLETION

Consultant's Services shall be completed by December 31, 2018 or until the scope of work is complete.

VI. PROJECT MANAGER

CONSULTANT designates Kourosh Iranpour as Project Manager, to remain such unless or until CONSULTANT requests to change said designation and said request is approved by CITY. Major duties shall include:

- A. Personally direct all work essential to the PROJECT.
- B. Sign all letters and instruments as requested by, and on behalf of, CITY.
- C. Attend public meetings related to the PROJECT.

VII. CANCELLATION OF AGREEMENT

This Agreement may be canceled at any time by CITY for its convenience upon written notification to CONSULTANT. CONSULTANT shall be entitled to receive full compensation payment for all services performed and all costs incurred to the date of receipt of written notice to cease work on the PROJECT. Said

compensation will be determined in accordance with Section IV. CONSULTANT shall be entitled to no further compensation for work performed after the date of receipt of written notice to cease work on the PROJECT.

VIII. INDEMNIFY AND HOLD HARMLESS

- A. Indemnity for Design Professional Services. In connection with its design professional services hereunder, Consultant shall hold harmless and indemnify City, and its elected officials, officers, employees, servants, designated volunteers, and those City agents serving as independent contractors in the role of City officials (collectively, "Indemnitees"), with respect to any and all claims, demands, damages, liabilities, losses, costs or expenses, including reimbursement of attorneys' fees and costs of defense (collectively, "Claims" hereinafter), including but not limited to Claims relating to death or injury to any person and injury to any property, which arise out of, pertain to, or relate to in whole or in part to the negligence, recklessness, or willful misconduct of Consultant or any of its officers, employees, subcontractors, or agents in the performance of its design professional services under this Agreement.
- B. Other Indemnities. In connection with all claims, demands, damages, liabilities, losses, costs or expenses, including attorneys' fees and costs of defense (collectively, "Damages" hereinafter) not covered by Section VIII. A, Consultant shall defend, hold harmless and indemnify the Indemnitees with respect to all Damages, including but not limited to, Damages relating to death or injury to any person and injury to any property, which arise out of, pertain to, or relate to the acts or omissions of Consultant or any of its officers, employees, subcontractors, or agents in the performance of this Agreement, except for such loss or damage arising from the sole negligence or willful misconduct of the City or any of the Indemnitees, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any such Damages with counsel reasonably acceptable to

the City, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant's duty to defend pursuant to this Section VIII. B shall apply independent of any prior, concurrent or subsequent misconduct, negligent acts, errors or omissions of Indemnitees.

- C. Survival of Indemnification Obligations. Acceptance of insurance certificates and endorsements required under this Agreement does not relieve CONSULTANT from liability under this indemnification and hold harmless clause. The Indemnities in this Section VIII shall apply whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages.

IX. INSURANCE

During the term of this Agreement CONSULTANT shall obtain and maintain in full force and effect at his/her own cost and expense the following insurance coverage:

- A. Worker's Compensation Insurance. Worker's Compensation Insurance, as required by the State of California, shall be provided that is necessary in connection with the performance of this Agreement. Such insurance shall relieve CITY from all responsibility for such benefits. Said policy shall also include employer's liability coverage no less than one million dollars (\$1,000,000.00) per accident for bodily injury and disease.
- B. General Liability Insurance. CONSULTANT shall obtain at its sole cost and keep in full force and effect during the term of this agreement commercial general liability insurance in the amount of one million dollars (\$1,000,000.00) per occurrence for bodily injury, personal injury, and property damage. Said insurance shall provide (1) that the CITY, its officers, agents, employees, and volunteers shall be named as additional insureds under the policy, and (2) that the policy shall operate as primary insurance, and that (3) no other insurance effected by the CITY or other named insureds will be called upon to cover a loss covered thereunder.

C. Automobile Liability Insurance.

CONSULTANT shall obtain at its sole cost and keep in full force and effect during the term of this agreement automobile liability insurance in the amount of one million dollars (\$1,000,000.00) per occurrence for bodily injury and property damage. Said insurance shall provide (1) that the CITY, its officers, agents, employees, and volunteers shall be named as additional insureds under the policy, and (2) that the policy shall operate as primary insurance, and that (3) no other insurance effected by the CITY or other named insureds will be called upon to cover a loss covered thereunder.

D. Certificates of Insurance.

CONSULTANT shall file with the CITY's Director of Public Works upon the execution of this agreement, certificates of insurance which shall provide that no cancellation, major change in coverage, expiration, or renewal will be made during the term of this Agreement, without thirty (30) days written notice (except 10-day notice for nonpayment of the premium) to the Director of Public Works prior to the effective date of such cancellation, or change in coverage.

E. Professional Liability Insurance. During the term of this Agreement, CONSULTANT shall maintain a professional liability insurance policy covering any loss arising out of errors, omissions, or negligent actions of CONSULTANT in the amount of not less than one million dollars (\$1,000,000.00).

X. OWNERSHIP OF DOCUMENTS

All documents prepared by CONSULTANT in the performance of his or her duties under this Agreement, including but not limited to, the plans, reproducible mylar plans, specifications, studies, reports, and contract documents shall be the property of the City of Fairfield. If this Agreement is canceled in accordance with Section VII above, all completed and partially completed documents prepared by CONSULTANT shall be delivered to the CITY in both printed and electronic format within two weeks of notice of cancellation. CONSULTANT shall not obtain

or attempt to obtain copyright protection as to any documents prepared hereunder.

XI. SCOPE OF AGREEMENT

This writing constitutes the entire agreement between the parties relative to CONSULTING services on the PROJECT and no modification hereof shall be effective unless or until such modification is evidenced by a writing signed by both parties to this Agreement.

XII. PROHIBITED INTERESTS

No employee of the City of Fairfield shall have any direct financial interest in this Agreement. This Agreement shall be voidable at the option of the CITY if this provision is violated.

XIII. LOCAL EMPLOYMENT POLICY

- A. The City of Fairfield desires wherever possible to hire qualified local residents to work on City projects. Local resident is defined as a person who resides in Solano County.
- B. The City encourages an active affirmative action program on the part of its contractors, consultants, and developers.
- C. When local projects require, subcontractors, contractors, consultants, and developers will solicit proposals from qualified local firms where possible.
- D. As a way of responding to the provisions of the Davis-Bacon Act and this program, contractors, consultants, and developers will be asked to provide no more frequently than monthly, a report which lists the employee's name, job class, hours worked, salary paid, City of residence, and ethnic origin.

XIV. EMPLOYMENT DEVELOPMENT DEPT. REPORTING REQUIREMENTS.

When CITY executes an agreement for or makes payment to CONSULTANT in the amount of \$600 (six hundred dollars) or more in any one calendar year,

CONSULTANT shall provide the following information to CITY to comply with Employment Development Department (EDD) reporting requirements:

- A. Whether CONSULTANT is doing business as a sole proprietorship, partnership, limited liability partnership, corporation, limited liability corporation, non-profit corporation or other form of organization.
- B. If CONSULTANT is doing business as a sole proprietorship, CONSULTANT shall provide the full name, address and social security number or federal tax identification number of the sole proprietor.
- C. If CONSULTANT is doing business as other than a sole proprietorship, CONSULTANT shall provide CONSULTANT's federal tax identification number.

XV. MISCELLANEOUS PROVISIONS

A. Legal Action.

- 1. Should either party to this Agreement bring legal action against the other, the validity, interpretation, and performance of this Agreement shall be controlled by and construed under the laws of the State of California, excluding California's choice of law rules. Venue for any such action relating to this Agreement shall be in the Solano County Superior Court.
- 2. If any legal action or other proceeding, including action for declaratory relief, is brought for the enforcement of this Agreement or because of an alleged dispute, breach, default or misrepresentation in connection with this Agreement, the prevailing party shall be entitled to recover reasonable attorneys' fees, experts' fees, and other costs, in addition to any other relief to which the party may be entitled.
- 3. Should any legal action about a project between CITY and a party other than CONSULTANT require the testimony of CONSULTANT when there is no allegation that CONSULTANT was negligent, CITY shall compensate CONSULTANT for its testimony and preparation to testify at hourly rates that are agreed-upon in advance in writing by both parties.

- B. Entire Agreement; Modification. This Agreement, including any other documents incorporated herein by specific reference, represents the entire and integrated agreement between CITY and CONSULTANT and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be modified or amended, or provisions or breach may be waived, only by subsequent written agreement signed by both parties.
- C. Non-Waiver of Terms, Rights and Remedies. Waiver by either party of any one or more of the conditions of performance under this Agreement shall not be a waiver of any other condition of performance under this Agreement. In no event shall the making by the CITY of any payment to CONSULTANT constitute or be construed as a waiver by the CITY of any breach of covenant, or any default which may then exist on the part of CONSULTANT, and the making of any such payment by the CITY shall in no way impair or prejudice any right or remedy available to the CITY with regard to such breach or default.
- D. Time. Time is of the essence in the performance of this Agreement.
- E. Severability. If any term or portion of this Agreement is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of this Agreement shall continue in full force and effect.
- F. Notices
Except as otherwise required by law, any notice, request, direction, demand, consent, waiver, approval or other communication required or permitted to be given hereunder shall not be effective unless it is given in writing and shall be delivered (a) in person or (b) by certified mail, postage prepaid, and addressed to the parties at the addresses stated below, or at such other address as either party may hereafter notify the other in writing as aforementioned:

To CITY:

ATTN: Julie Lucido
City of Fairfield
Public Works Department
1000 Webster Street
Fairfield, CA 94533

To CONSULTANT:

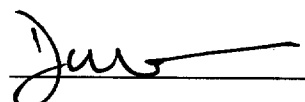
ATTN: Kourosh Iranpour
Harris & Associates
1401 Willow Pass Road, Suite 500
Concord, CA 94520

A party may change its address by giving written notice to the other party. Thereafter, any notice or other communication shall be addressed and transmitted to the new address. If sent by mail, any notice, tender, demand, delivery or other communication shall be deemed effective three (3) business days after it has been deposited in the United States mail. For purposes of communicating these time frames, weekends and CITY holidays shall be excluded. No communication via facsimile or electronic mail shall be effective to give any such notice or other communication hereunder.

G. Counterparts. This Agreement may be executed in counterparts, each of which shall be considered an original.

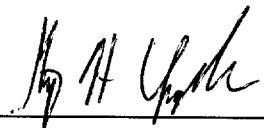
IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of November 16, 2017.

CITY OF FAIRFIELD
a municipal corporation (CITY)



David A. White
City Manager



By 

Harris & Associates

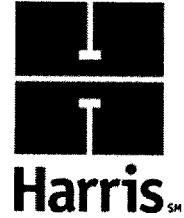
1401 Willow Pass Road, Suite 500

Concord, CA 94520

EXHIBIT "A"

Scope of Work

Exhibit "A"



October 9, 2017

Paul Kaushal
Assistant City Engineer
Public Works Department
City of Fairfield
1000 Webster Street
Fairfield, CA 94533

RE: PROPOSAL FOR ENGINEERING DESIGN SERVICES FOR 2018 PAVEMENT REHABILITATION

Dear Paul:

Thank you for inviting Harris to propose on civil engineering design services for your 2018 Pavement Rehabilitation Project. Herein is our proposal letter with attached Fee Estimate for your review and comment or approval.

Project Understanding

Based on the materials that you provided to Harris, I understand that the City wants to rehabilitate the following streets:

Table 1- List of Streets Identified for Pavement Rehabilitation

No.	Street	From	To	Class	Pavement Area (SF)	City Suggested Treatment
1	Business Center Dr.	Green Valley Rd.	End	C	141,700	Micro Surface
2	Business Center Dr.	Green Valley Rd.	Suisun Valley Rd.	A	293,820	AR Cape
3	Business Center Dr.	Dan Wilson Creek Bridge	Suisun Valley Rd.	A	190,060	Micro Surface
4	Business Center Dr.	Suisun Parkway	Dan Wilson Creek Bridge	A	293,820	Micro Surface
5	Central Way	Pittman Rd.	C/L	C	168,960	AR Cape W/Micro
6	Central Place	Pittman Rd.	End	C	56,647	AR Cape W/Micro
7	Pittman Rd.	Cordelia Rd.	1000' N/O Redwood	A	71,440	Slurry Seal
8	Pittman Rd.	1000' N/O Redwood	Link Rd.	A	36,000	2.5" M&F

9	Pittman Rd.	Link Rd.	Central Way	A	73,200	2.5" M&F
10	Pittman Rd.	Central Way	I-80	A	15,000	Slurry Seal
11	Cordelia Rd.	Monument	Link Rd.	A	72,852	AR Chip
12	Cordelia Rd.	Link Rd.	C/L	A	88,275	AR Chip
13	Suisun Valley Rd.	Neitzel Rd.	Mangels Blvd.	A	106,743	Slurry Seal
14	Suisun Valley Rd.	Mangels	C/L	A	198,927	Slurry Seal
15	Fulton Dr.	Lopes Rd.	Watt Dr.	C	118,128	AR Cape
16	Fermi Dr.	Watt Dr.	Lopes Rd.	C	141,900	AR Cape
17	Watt Dr.	Fulton Dr.	Redtop Rd.	C	158,112	AR Cape
18	Gold Hill Road	South Lopes Rd	Lopes Rd./Parallel 680	A	300116	-
19	Lopes Road	Gold Hill Rd	Redtop Rd.	A	228,096	-

See attached map for site locations. Harris will provide testing and treatment recommendations only for streets number 18 and 19. They will not be included in PS&E package.

Typical work to be performed will include:

- Utilize photo images provided by the City for base mapping instead of topographic surveying in order to save money and expedite the plan preparation process.
- Perform field work to identify existing road widths, striping, traffic signal loop detectors, utility covers, parameters for curb ramp design, and any other information pertinent to the design.
- Conduct pavement testing and analysis to determine the most appropriate and cost-effective treatments.
- Gold Hill Road (from southern intersection with Lopes Rd to 680 ramp) and Lopes Road (from Gold Hill Rd to Red Top Rd) are included in scope of work for pavement testing only.
- Add bike lanes where it coincide with bike lanes identified on the bicycle master plan
- Add bike lane as long as the bike lane (5' min) can fit with in the cross section and still be consistent with bike Master Plan. Consider installing 3' bike buffer with appropriate hatchings, where feasible. Minimum lane widths should be 11', but this can be decreased by 6" if the posted speed is 30 mph or less, based on conditions on a case-by-case basis.
- Straighten crosswalks where it makes sense and where ramps are being constructed or reconstructed. Adjust ramps in accordance to how the crosswalk fits.
- Identify deficient curb ramps and propose treatment to bring into compliance
- Identify pedestrian push buttons that are outside of allowable height range and adjust accordingly.
- Design for minor adjustments to the traffic signal system, such as detector loops, adjustment/addition of conduit runs, pull boxes and other ancillary items within the signal system. Additional alterations to signs, markings, or striping may be required to account for any proposed bike lanes the City may require that are not currently present.
- Utilize City standard configurations for side streets to install either a crosswalk or a limit line.
- Perform quantity takeoffs and prepare cost estimates at milestone submittals.
- Notify and coordinate with utility agencies.

We have estimated the cumulative length of the streets to be approximately 8 miles with close to 2.2 million square feet of pavement. Additionally, we have estimated that over 120 curb

ramps within the limits of project that will need to be evaluated. There are also about 95 push buttons within the scope of work whose height would need to be measured and adjusted, if needed.

Approach

Methodology

The City staff has identified planning level pavement treatments for most of the streets included in Table 1 based on visual inspection. These treatment recommendations will be used as the basis for selecting the appropriate pavement testing for each street. Our subconsultant, Pavement Engineering Inc. (PEI), will conduct pavement testing as described in this proposal to develop recommendations for pavement rehabilitations, and where feasible, provide alternatives for consideration.

In the interest of time, while PEI is conducting their pavement testing, Harris' team will be collecting field data for design purposes. Harris will then supplement the photo images provided by the City with information gathered from field reconnaissance to develop base maps.

The information from the field investigation, our findings and recommendations will be summarized in a Technical Memorandum referred to as Basis of Design Report for City staff review.

Coordination

I will be in frequent communication with the City's project manager to keep him constantly apprised of our team's progress. This will help the City understand the immediate and anticipated challenges and make sure our designs and specifications are developed in collaboration with City staff. We will set up monthly progress meetings to discuss design challenges, resolutions, and project milestones. These meetings are very beneficial because they present an opportunity to resolve challenges immediately, instead of waiting until the next design's review.

Maintaining Schedule

This project has an aggressive schedule, therefore maintaining the project schedule is key in determining if tasks are on schedule and within budget. I will review the schedule on a bi-weekly basis and it will be discussed in detail at progress meetings. This process includes identification of actual time and costs accrued on each task and accurately reporting the progress of each. This also provides a clear picture to evaluate if set goals and schedules are reasonable and identifies the need to commit additional resources early on in the process. Issues that could delay the schedule are looked at early so that alternatives can be implemented to keep the schedule moving.

Curb Ramp Evaluation

In some cases, it may be technically infeasible to construct new or replace curb ramps because of the limitations of the existing physical constraints, some of which are, but not limited to, the terrain, right-of-way availability, adjacent developed facilities, and drainage.

Our goal is to design each curb ramp to a full accessible facility, however for those that cannot fully comply we will document the issue and reason for non-compliance. We will discuss each non-compliant ramp with the City for input and direction.

Harris will also document all locations of existing curb ramps and note existing conditions and where we propose to install new curb ramps. We will prepare a spreadsheet identifying the curb ramps in three categories: compliant, non-compliant and marginally non-compliant. This way, the City has the ability to make an informed decision on whether to preserve some of the curb ramps that are fairly new and are marginally non-compliant.

Project Costs

Maintaining our project design budget, as well as keeping the construction estimate within the budgeted amount is essential to the success of any project. I will maintain constant oversight of the project design budgets through our web-based accounting software and will track all expenditures against percent complete to make sure we are on target. This information will be communicated to the City via our Design Services Monthly Report, together with a detailed invoice. Another tool for staying on budget is a comprehensive understanding of the scope of work before we start and providing the appropriate resources. If extra work items arise that the City would like to add to our scope, we will track those costs separately. By documenting potential changes, we can keep the project on track, maintain your scope expectations, and help the City track the overall costs of the project.

For the construction budget, the City will expect the probable estimate of construction cost to be at or under the project budget allocation, with the subsequent bid by the lowest responsible bidder in line with the estimate. In addition to using Caltrans cost data, Harris maintains an extensive database of recent project bid results, which are used as a benchmark for project cost estimates. We also take advantage of our in-house construction management colleagues to look at unusual construction requirements. This is a great benefit to accurately estimating the probable construction costs. These two techniques have resulted in an excellent cost estimating track record; our construction cost estimates are usually on target with the average bid received from contractors.

Quality Control Program

Harris utilizes a comprehensive in-house QA/QC program (copy available upon request), that requires all deliverables leaving our offices to be first reviewed by a Quality Control Manager. We have the philosophy that QA/QC is a continuous process from conceptual design to final PS&E. QA/QC Manager Jasmine Cuffee, PE, QSD will be assigned to deliver an objective review of the work product.

Jasmine will be removed from the day-to-day project operations, but is responsible to review all submittals of construction documents prior to each submittal to the City. These reviews conform to our formal QA/QC program utilizing forms; check lists, procedures and minimum standards for all work. In addition, this process requires the submittal is complete and all concerns and challenges raised by the City during the design development phase and progress meetings are addressed.

Work Elements

PHASE 0.0 PROJECT ADMINISTRATION

I will serve as the project manager and will be responsible for managing the project and the project team from inception through preparation of final as-built plans. The project management tasks include:

- Serving as primary point-of-contact
- Managing the in-house project team and subconsultants
- Monitoring progress of individual tasks
- Coordinating with the project team and stakeholders to complete work products
- Monitoring and maintaining the project schedule and budget
- Meeting with City staff to discuss design scope and review comments, and attending coordination meetings during construction

Following each meeting, a summary of the meeting minutes will be provided that will include confirmation of the decisions made and highlight agreed-upon action items along with the person responsible for completing the task.

Every month, a brief progress report will accompany each Harris invoice. It will include current budget, status of project schedule, brief description of work performed, and next steps.

PHASE 1.0 INVESTIGATION PHASE

1.1 Kickoff Meeting - We will convene a kick-off meeting with the City as soon as we are given the Notice to Proceed. The kick-off meeting is essential for establishing a successful working relationship between the City and Harris team and ensures that each party is "on the same page" regarding procedures and expectations before beginning work. During this meeting, we will clarify each team member's role on the project and agree on the project scope, schedule, design parameters, and deliverables. We will document this and other meetings in writing, including resulting decisions and assignments.

1.2 Field Investigation and Data Collection – Harris staff will collect field data for all the streets included in Table 1 above. We will survey and field measure the streets to collect data for preparation of base maps, identify field constraints, and document existing condition with photos. Our field visit will also include checking curb ramps for compliance and taking measurements of ramps within the project's limits on streets selected for major treatments. Plans will include design details to repair/reconstruct the ramps to bring them to current standards. This requirement does not apply to streets that may receive surface sealing treatment such as slurry seal, fog seal, chip seal, etc. Follow-up visits will be conducted as necessary to understand the unique features of each street that will affect the design, construction, traffic control, and preparation of contract documents. We use this information to develop base maps and a more realistic cost estimate for the project.

1.3 Pavement Evaluation and Design Report - it is our understanding that the City's preference is that the design team perform pavement testing to evaluate and prepare a comprehensive design report. Our subconsultant, PEI's Pavement Evaluation Report will outline proposed rehabilitation options for each street. Once PEI has completed their pavement report,

Harris will review the report and determine proposed rehabilitation methods and approximate costs for each street.

R-value testing will be performed for the streets identified by City staff for overlay and mill & fill only, as listed in PEI's proposal. Complete scope of pavement testing is attached to this proposal.

1.4 Traffic Engineering Services – As requested by the City, Our sub consultant, Fehr & Peers (F&P), will make minor adjustments to the traffic signal system, such as detector loops, adjustment/addition of conduit runs, pull boxes and other ancillary items within the signal system. Additional alterations to signs, markings, or striping may be required to account for any proposed bike lanes the City may require that are not currently present.

Fehr & Peers will work with Harris & Associates and the City to determine the specific improvements to include at each signalized intersection. This scope assumes design at up to 14 intersections. If less than 14 intersections are selected for modification, F&P will reduce their fee appropriately. Complete scope of traffic engineering services is attached to this proposal.

1.5 Utility Coordination - We will get the utility companies involved at project inception to ensure that there is no conflict with their facilities and also to find out if they are planning any work in the area that would require excavation into the pavement in the near future. If required, we will also discuss coordination for utility structure adjustment to grade as some utility agencies prefer to use their own forces to raise structures to grade while others provide their own standard details for inclusion in the construction documents. We will follow up with utility companies and provide plan submittals as needed.

1.6 Basis of Design Report - Upon completion of field work, we will generate a report for your review that will evaluate all the alternatives being considered for the project. This report will discuss pros, cons, and cost for each alternative so that you can make an educated and informed decision on the preferred alternative. The spreadsheet analyzing the curb ramps will also be included in this report.

PHASE 2.0 CONSTRUCTION DOCUMENT PREPARATION

We will prepare plans, specifications, and estimates for bidding purposes. The plan set will include a Title Sheet with a vicinity map, Location Map showing the limits of each street, Layout Sheets showing the improvements for pavement rehabilitation as well as curb ramps, and Construction Details as required. Harris will prepare technical specifications for review and comment by the City. The specifications will be in Caltrans standard format and will include a description of each item on the bid schedule with requirements for payment. A detailed cost estimate will be prepared, including quantity takeoffs, unit costs, and cost estimates for each element of the project.

All plans and documents will undergo a quality control review by Jasmine Cuffee, PE, QSD for this contract. All comments from the internal review will be incorporated into the package prior to submission for review by City staff.

2.1 65% PS&E Submittal - Harris will prepare 65% design plans and probable estimate of construction costs using the information gathered and reports approved by the City during the preliminary design phase.

The 65% plans and estimate will be submitted for City review. A design review meeting will be scheduled following the 65% submittal to meet with City staff and resolve review comments.

Deliverable: 65% plans, technical specifications and engineer's estimate (five hardcopy sets and one electronic copy in portable document format)

2.2 95% PS&E Submittal - After resolving all comments from the 65% submittal, we will prepare 95% design plans, specifications, and opinion of probable construction costs and submit for City review.

Deliverables: 95% plans, technical specifications and engineer's estimate (five hardcopy sets and one electronic copy in portable document format).

2.3 Final PS&E Submittal - After resolving all comments from the 95% submittal, we will prepare 100% final design plans, specifications, and opinion of probable construction costs.

Deliverable: Final stamped and signed bid set (one hardcopy set and one electronic copy in portable document format). Electronic submittals will be in AutoCAD and Adobe for plans; MS Word and Adobe for specifications and reports; and MS Excel and Adobe for cost estimates or spreadsheets.

2.4 Quality Review – As noted above, prior to all major milestone submittals, all plans and documents will be reviewed by Harris' Quality Manager.

2.5 Review Meetings with City – At a meeting with City staff, we will discuss each review submittal with City.

Deliverable: Minutes of the meetings

PHASE 3.0 BID PERIOD SERVICES

During the bidding phase the project team will issue Addenda as appropriate to clarify, correct, or change the Bid Documents and answer questions from prospective contractors. We have assumed one (1) addendum for the purpose of this proposal.

Deliverables: Written responses to contractor questions during bidding and addenda documentation as needed (assumed 1 addendum).

PHASE 4.0 CONSTRUCTION PHASE SERVICES

Harris will attend the pre-construction meeting to answer or clarify design-related questions from the contractor. Our staff will review all shop drawings and submittals received from the contractor and provide responses. A log of the submittals received and responses provided will be maintained and made available for City staff to distribute, if appropriate. We will review and respond to RFIs from the contractor and evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by Contractor. We will also review change order proposals from the contractor and if necessary, prepare change orders.

During construction, our staff will visit the construction site, either at the City's request to resolve any unforeseen circumstances or during specific major construction activities.

Harris staff will prepare as-built record drawings, incorporating changes made during construction as marked-up by the resident engineer.

Deliverables: Written response to RFIs and submittals, record drawings plans

All project files, including as-built plans, CAD files, and other technical information will be submitted to the City upon completion of work.

Fee Estimate

Our estimated level of effort to perform the services as described herein is \$471,809.00, including subconsultant fees. Please see our attached fee proposal for Harris' level of effort expected to execute the scope of work as requested and outlined herein. Attention is also directed to the assumptions attached to the fee proposal that were the basis for developing this fee. The fee for traffic signal design for existing signalized intersection is for up to 14 intersections with a fee of \$8,715 per intersection. If less than 14 intersections are selected for modification, F&P will reduce their fee appropriately.

Schedule

We understand that the City's goal is to advertise the project as soon as possible and we are ready to start work as soon as you authorize it. Our schedule is based on award of the project at the November 7th Council Meeting. As illustrated in the attached schedule, Harris will endeavor to complete the bid package during the second week of April 2018.

Due to the fast track nature of this project, we propose to limit the milestone deliverables to three (3) submittals (65%, 95% and Final) to streamline the design process and allow more time to gather the necessary data to prepare quality construction documents. To reduce the time required for the City staff to review each submittal, we will keep the City staff informed of our design approach throughout the design process via email, telephone, and meetings, as needed.

It should be noted that this schedule has been prepared for planning purposes and is rough in nature. The actual milestone dates may vary depending on the City review period and the additional time that may be needed by the Council to award the project at various stages.

If a portion of this proposal does not meet your needs, or if those needs have changed, we will consider appropriate modifications based on your specific needs. Thank you for the opportunity to be of service again. Please call me at (925) 827-4900, ext. 1112, e-mail kourosh.iranpour@weareharris.com if you have any questions or need further information.

Sincerely,
HARRIS & ASSOCIATES



Kourosh Iranpour, P.E, QSD
Project Manager



Jasmine Cuffee, PE, QSD
Principal-in-Charge & QA/QC Manager

Enclosures: 1. Estimated Level of Effort
 2. Schedule
 3. Fehr & Peers Proposal
 4. PEI's Proposal for Pavement Testing and Recommendations
 5. Map of Streets Receiving Pavement Treatment

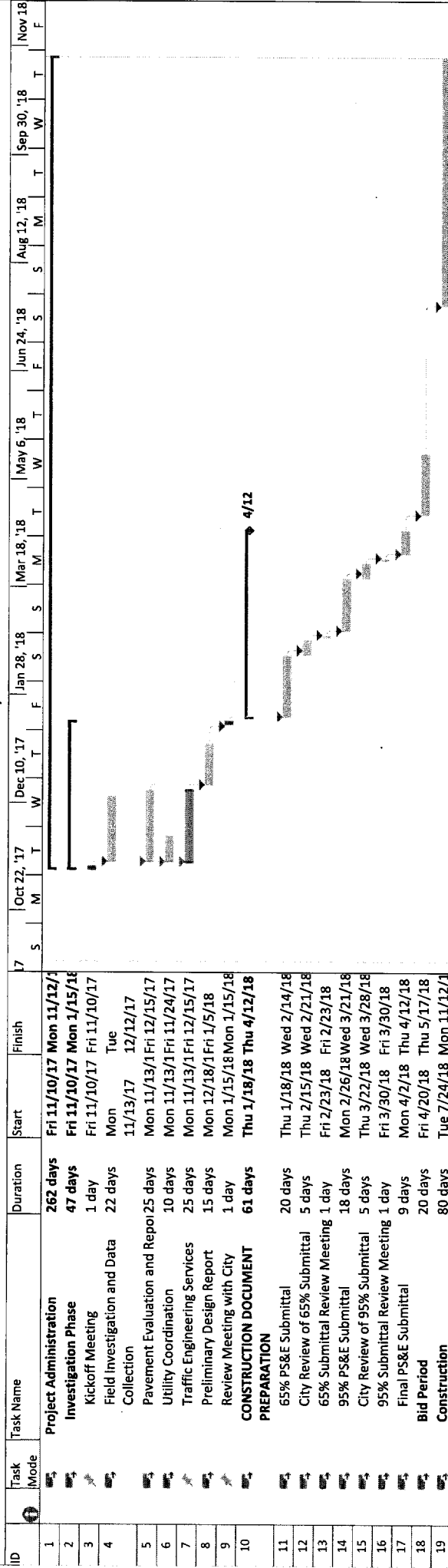
ESTIMATED LEVEL OF EFFORT								HARRIS & ASSOCIATES			
CITY OF FAIRFIELD								Date: 10/9/17			
2018 PAVEMENT REHABILITATION PROJECT											
PHASE, TASK	QUALMGR PROJ DIR	HARRIS & ASSOCIATES				SUBS		TOTAL HARRIS HOURS	TOTAL HARRIS FEES		
		PROJ MGR	PROJ ENGR	ENGR/ TECH	CLER- ICAL	TRAFFIC ENGR F&P	PVMT TESTING PEI				
0.0 PROJECT ADMINISTRATION PHASE	HOURS	HOURS	HOURS	HOURS	HOURS		COST				
0.1 Progress and Monthly Report (10 Reports)		10			4	\$133,415	\$49,825	14	\$2,580		
0.2 General Management		60			4			64	\$13,580		
SUBTOTAL HOURS	0	70	0	0	8			78	\$16,160		
1.0 INVESTIGATION PHASE											
1.1 Kick-off Meeting (1 Mtg)		2	2		1					5	\$835
1.2 Field Investigation and Data Collection (including development of base maps)		24	104	152						280	\$38,360
1.3 Pavement Evaluation and Report		10	8	6						24	\$4,090
1.4 Traffic Engineering Services		10	8	6						24	\$4,090
1.5 Utility Coordination		8	12	12	2					34	\$5,130
1.6 Preliminary Design Report		10	36	40	4					90	\$12,580
SUBTOTAL HOURS	0	64	170	216	3			453	\$64,705		
2.0 CONSTRUCTION DOCUMENT PREPARATION											
2.1 65% PS&E Submittal		60	176	248	6			490	\$68,690		
2.2 95% PS&E Submittal		48	120	180	6			354	\$49,830		
2.3 Final PS&E Submittal		24	92	152	4			272	\$36,940		
2.4 Quality Review	12							12	\$2,760		
2.5 Review Meeting		6	6		2			14	\$2,410		
SUBTOTAL HOURS	12	138	394	580	18			1142	\$160,630		
3.0 BID PERIOD SERVICES											
3.1 Pre-Bid Meeting		2						2	\$440		
3.2 Answer Bidders' Questions		6	6		1			13	\$2,315		
3.3 Prepare Addenda (1 budgeted)		6	8	10				24	\$3,670		
SUBTOTAL HOURS	0	14	14	10	1			39	\$6,425		
4.0 CONSTRUCTION PHASE SERVICES											
4.1 Pre-construction Meeting		2			1			3	\$535		
4.2 Review Shop Drawings and Submittals		12	16		1			29	\$5,135		
4.3 Construction Site Visits		20	8					28	\$5,600		
4.4 Change Order Assistance/Response to RFIs		8	16	12	1			37	\$5,635		
4.5 Record Drawings		6	12	20				38	\$5,420		
SUBTOTAL HOURS	0	48	52	32	3			135	\$22,325		
HOURS PER POSITION	12	334	630	838	33				\$270,245		
HOURLY RATE (TYPICAL)	\$230	\$220	\$150	\$115	\$95						
FEE ESTIMATE PER POSITION	\$2,760	\$73,480	\$94,500	\$96,370	\$3,135						
TOTAL HARRIS FEE									\$270,245		
SUB CONSULTANT TOTAL COST									\$183,240		
SUB CONSULTANT MARK-UP (10 %)									\$18,324		
TOTAL FEE ESTIMATE									\$471,809		

ASSUMPTIONS UPON WHICH LEVEL OF EFFORT ESTIMATE IS BASED:

1. Estimated sheet count

Title Sheet	1
General Notes, Legend & Abbreviations	1
Key maps	1
Pavement Improvement Plans (1"=40', 2 viewports per sheet)	20
Striping Plans (1"=40', 2 viewports per sheet)	20
Traffic Engineering Modifications	14
Construction Details & Curb Ramp Details	10
<u>Total</u>	<u>67</u>
2. Hours and fee for individual tasks are a guide; the total hours and cost for the project takes precedence.
3. City will provide aerial images for base mapping
4. Traffic control will be based on Caltrans Standards and no traffic control plans will be prepared.
5. Hourly rates used are for year 2017 and are averages. Actual rates for positions may vary slightly.
6. For mill and fill streets, dig-out areas will be estimated based on visual inspection only and as a percentage of the paved area. For overlay streets, a spreadsheet will be included in the appendix section of the project specifications showing the number of digout areas per street and square footage and dimensions for each digout area. Digout areas will not be shown on plans.
7. Installation of new push buttons is not included
8. Hours and fee may be renegotiated if the project is delayed by factors beyond Harris' control.
9. No public meetings will be required.
10. City will provide the following:
 - Access to any available drawings or information relevant to the project.
 - Electronic versions of aerial images to be used as a basis for mapping
 - Final "front-end" documents.
 - Printing of PS&E set for bid advertisement and construction.
11. Utility Companies will design their relocations, if needed. Harris will prepare exhibits for the relocation work as described in the proposal.
12. No right-of-way or permit acquisition is required.
13. The number of budgeted meetings is indicated on the spreadsheet with the task descriptions.
14. City comments at each review stage will be presented to Harris on one consolidated set of marked-up documents.
15. No construction staking is required. This task can be provided as an additional service.
16. No electronic detection or potholing of utilities is required, but can be provided as an extra service.
17. No underground utility mapping is required.
18. No drainage improvements will be required.
19. City will provide contact information for utility agencies
20. No grading will be required.
21. No street will require reconstruction or regrading.
22. Fee for traffic signal design for existing signalized intersection is for up to 14 intersections with a fee of \$8,715 per intersection. If less than 14 intersections are selected for modification, fee will be reduced appropriately.

City of Fairfield
2018 Pavement Rehabilitation Project



Date: Fri 9/29/17	Task	Project Summary	Inactive Milestone	Manual Summary Rollup	Deadline
	Split	External Tasks	Inactive Summary	Manual Summary	Progress
	Milestone	External Milestone	Manual Task	Start-only	Manual Progress
	Summary	Inactive Task	Duration-only	Finish-only	



September 27, 2017

Kourosh Iranpour, PE, QSD
Harris & Associates
1401 Willow Pass Road, Suite 500, Concord, CA 94520

Subject: City of Fairfield Repaving Traffic Signal Design Proposal

Dear Kourosh:

This proposal outlines our scope and fee to support the City of Fairfield's repaving program by providing traffic engineering support. Our scope includes traffic signal design for existing signalized intersections within the limits of the repaving program as well as assessment/review of potential bicycle facilities that would be implemented after repaving. Traffic signal improvements may include replacement/relocation of detector loops, pull boxes, and/or conduit, countdown pedestrian signal heads, and/or pedestrian push buttons to meet current standards. Fehr & Peers will work with Harris & Associates and the City of Fairfield to determine the specific improvements to include at each signalized intersection. This scope assumes design at up to 14 intersections. We have made the following assumptions regarding information available:

Base Mapping: We expect that Harris & Associates will provide AutoCAD base maps for the project, including aerial mapping, utilities, and other proposed civil roadway improvements.

Record drawings: We expect that the City of Fairfield will deliver available record drawings of all traffic signals within the scope.

The following describes our proposed scope of work and fee:

SCOPE OF WORK

Task 1: Field Review and Project Identification: Fehr & Peers will attend a meeting with Harris & Associates and City of Fairfield to discuss potential signal modifications at each of the 14 intersections. This meeting can take place at City offices or in the field. Once signal modifications have been identified, Fehr & Peers will visit each location and compare as-built drawings to conditions in the field. We will prepare a memorandum summarizing the modifications to each signal for concurrence by the City.



Task 2: Draft Traffic Signal Plans: We will prepare plans based on Task 1 using the base files provided. This scope assumes that we will not draft existing signal equipment to remain, conductor or pole schedules, but will indicate loops, pull boxes, conduit, pedestrian heads, and pedestrian push buttons to be replaced and/or relocated. We will provide a cost estimate and special provisions for traffic signal equipment. The draft traffic signal plans will be submitted in electronic form (PDF). We will revise the draft traffic signal plans based on one round of comments from Harris & Associates before submitting to the City. We will attend one meeting with the project team as part of this task to review City comments.

Task 3: Final Traffic Signal Plans: Upon receipt of a consolidated set of comments from the City on the draft traffic signal plans, Fehr & Peers will prepare final traffic signal plans, cost estimate, and specifications as well as a response to comments matrix. The plans will be submitted in electronic form (PDF) and electronically stamped and signed by a registered Professional Engineer.

Task 4: Bicycle Facility Design Support: Fehr & Peers will provide 20 hours of staff time for bicycle facility design support. This may include input on cross-sectional dimensions, intersection treatments, and review of plans prepared by Harris & Associates. Additional review can be provided on a time and materials basis.

Task 5: Bid / Construction Support: Fehr & Peers will provide 45 hours of staff time for construction support during implementation of the project. This will include review of contractor submittals, responses to RFI's, and preparation of clarifications.

FEE

Based on the scope and schedule described above, we request a budget of \$133,415 per the attached table, which includes all direct costs associated with travel, meetings, etc. Tasks 1 through 3 include plans for all 14 intersections with a fee of \$8,715 per intersection. If less than 14 intersections are selected for modification, we will reduce our fee appropriately. We will invoice on a time-and-materials basis, not to exceed the contract amount. We will invoice based on our standard 2016/2017 billing rates, which can be provided on request. We can begin work immediately upon receipt of a signed contract. Please call me at 925-357-3384 with questions.



Sincerely,

FEHR & PEERS



Ryan McClain, PE
Principal

P17-4807-WC



Fehr & Peers
Estimated Level of Effort and Cost: Fairfield Repaving

Tasks	Person Hours					Direct Costs	Total
	PIC	PM	Project Engineer	Cad Support	Graphics/Admin		
	\$240	\$150	\$130	\$145	\$125		
Task 1: Field Review and Project Identification	6	32	28	0	8	\$540	\$11,420
Task 2: Draft Traffic Signal Plans	28	84	196	112	53	\$3,380	\$71,045
Task 3: Final Traffic Signal Plans	28	56	84	56	28	\$1,880	\$39,540
Task 4: Bicycle Facility Design Support	10	10	0	0	3	\$210	\$4,485
Task 5: Construction Support	4	12	18	6	5	\$330	\$6,925
Total	76	194	326	174	97	\$6,340	\$133,415

October 3, 2017

MP17-476C

Kourosh Iranpour, PE, QSD
Senior Project Manager
Harris & Associates
1401 Willow Pass Road, Suite 500,
Concord, CA 94520

Subject: Proposal for Pavement Evaluation Services for Fairfield 2018 Paving Project

Dear Kourosh:

Per your request, we are submitting our proposal for pavement evaluation services. Our work will include deflection testing and coring on each of the project streets.

The field testing portion of our work consists of deflection testing and coring the pavement to determine the asphalt layer thickness. Deflection tests will be performed at 100 foot maximum intervals in each lane (minimum of 5 tests per street and one direction for neighborhood streets). Coring will be performed at 500 foot maximum intervals over the street segment (minimum of 2 cores per segment). The deflection analysis will be performed in general accordance with CTM 356. Traffic control will be provided by a licensed traffic control company.

To assist us with the evaluation of the streets requiring R-Values, we will measure the full structural section (AC & AB). We will also collect native soil samples that will be used to determine the R-value. Native soil samples will be collected at 1,000 foot intervals over the street segment.

We anticipate 6 to 8 weeks to complete the work after receiving the notice to proceed. Our fee for performing this work will be \$49,825. The attached proposal conditions will apply. Please feel free to contact me at (805)781-2265 with any questions.

Very truly yours,
PAVEMENT ENGINEERING INC.



Joseph L. Ririe, P.E.
Principal Engineer

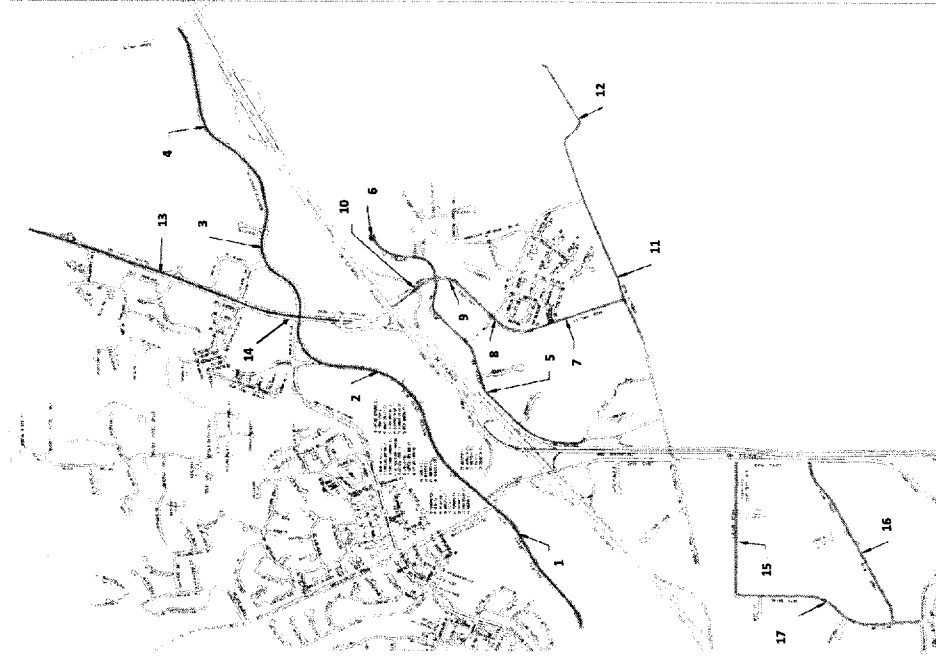
Attachments: Project Street List, Proposal Conditions
pc: C File, M File, MP Files

City of Fairfield 2018 Paving Project Project Street List		
Evaluation without R-Values		
Street	From	To
Business Center Dr.	End	D. Wilson Creek Bridge
Central Way	Pittman Rd.	C/L
Central Pl.	Pittman Rd.	End
Cordelia Rd.	Monument	C/L
Suisun Valley Rd.	Neitzel Rd.	C/L
Fulton Dr.	Lopes Rd.	Watt Dr.
Fermi Dr.	Watt Dr.	Lopez Rd.
Watt Dr.	Fulton Dr.	Redtop Rd.
Lopes Rd	Cold Hill Rd	Redtop Rd
Gold Hill Rd	Pine Nut Way	South Lopes Rd
Evaluation with R-Values		
Street	From	To
Pittman Rd.	Cordelia Rd.	I-80
Gold Hill Rd	North Lopes	Pine Nut Way

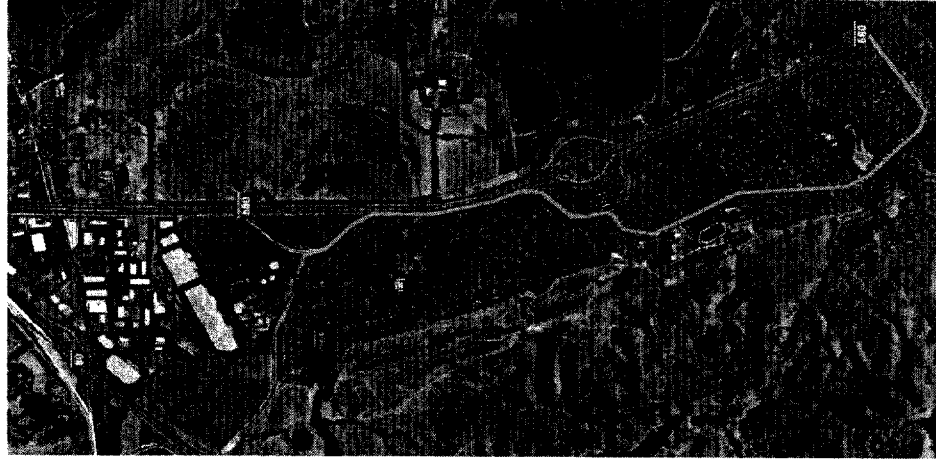
PROPOSAL CONDITIONS

1. Proposal is valid for thirty days from the date of the proposal.
2. All work shall be performed utilizing common methods and practices of the civil engineering profession. Reports and construction documents will be signed by a registered civil engineer.
3. Fees for Lump-Sum or Unit Price Proposals will be charged at the quoted price. The quoted prices include all laboratory testing costs. Fees for Engineering and Technical Services on a Time and Materials Basis will be charged at the applicable hourly rates of the current PEI Fee Schedule.

City of Fairfield
2018 Annual Pavement Maintenance



Streets Designated for Design and Pavement Testing



Streets Designated for Pavement Testing Only

STREET TABLE				
#	Street	From	To	
1	Business Center Dr.	Green Valley Rd.	End	
2	Business Center Dr.	Green Valley Rd.	Suisun Valley Rd.	
3	Business Center Dr.	Dan Wilson Creek Bridge	Suisun Valley Rd.	
4	Business Center Dr.	Suisun Parkway	Dan Wilson Creek Bridge	
5	Central Way	Pittman Rd.	C/L	
6	Central Place	Pittman Rd.	End	
7	Pittman Rd.	Cordelia Rd.	1000' N/O Redwood	
8	Pittman Rd.	1000' N/O Redwood	Link Rd.	
9	Pittman Rd.	Link Rd.	Central Way	
10	Pittman Rd.	Central Way	I-80	
11	Cordelia Rd.	Monument	Link Rd.	
12	Cordelia Rd.	Link Rd.	C/L	
13	Suisun Valley Rd.	Neitzel Rd.	Mangels Blvd.	
14	Suisun Valley Rd.	Mangels	C/L	
15	Fulton Dr.	Lopes Rd.	Watt Dr.	
16	Fermi Dr.	Watt Dr.	Lopes Rd.	
17	Watt Dr.	Fulton Dr.	Redtop Rd.	
18	Gold Hill Road	South Lopes Rd	Northwood Dr	
	Gold Hill Road	Northwood Dr	Dartmoor Dr	
	Gold Hill Road	Dartmoor Dr	Lopes Rd / Parallel 680	
19	Lopes Road	Gold Hill Rd	Redtop Rd.	

EXHIBIT "B"
Fee Schedule

Exhibit "B"



Harris & Associates

RANGE OF HOURLY RATES:

Applicable to 2018 Pavement Rehabilitation Project for the City of Fairfield

Effective January 1, 2017 - December 31, 2017

ENGINEERING SERVICES

HOURLY RATE

Project Directors	\$220 - \$270
Senior Project Managers	\$210 - \$250
Project Managers	\$150 - \$240
Senior Project Engineers	\$150 - \$180
Project Engineers	\$115 - \$175
Design Engineers	\$100 - \$130
Senior Technical Support	\$130 - \$170
Technical Support	\$100 - \$125
Administration	\$60 - \$100

Notes: Rates are subject to adjustment due to promotions during the effective period of this schedule. A new rate schedule will become effective January 1, 2018 and on the 1st of January every year thereafter. Unless otherwise indicated in the cost proposal, hourly rates include most direct costs such as travel, equipment, computers, communications and reproduction (except large quantities such as construction documents for bidding purposes).

All subconsultant charges are subject to a 10% markup.