

AGREEMENT FOR SERVICES

THIS AGREEMENT ("AGREEMENT") is made and entered into this _____ day of _____, _____, by and between the CITY OF MANTECA, a municipal corporation of the State of California (hereinafter referred to as "CITY"), and

GHIRARDELLI ASSOCIATES, INC.

Consultant

2529 W. MARCH LANE, STOCKTON CA 95207
SUITE 201

MAILING ADDRESS CITY STATE ZIP

a California corporation.

N/A

STATE LICENSE CLASSIFICATION & NUMBER (if required)
hereinafter referred to as "CONSULTANT".

WITNESSETH:

A. WHEREAS, CITY desires to enter into this Agreement for services for Construction Management and Inspection Services for the Shasta Park Area Pavement Improvement Project CIP No. 25022 ("PROJECT").

B. WHEREAS, CITY desires to retain CONSULTANT to provide these services by reason of its qualifications, applicable license(s), and experience for performing such services, and CONSULTANT has offered to provide the required services on the terms and in the manner set forth herein.

NOW, THEREFORE, in consideration of their mutual covenants, the parties hereto agree as follows:

AGREEMENT**1. SCOPE OF SERVICES:**

A. Consultant shall do all work, attend all meetings, produce all reports and carry out all activities necessary to complete the services described in **Exhibit "A"**. This AGREEMENT and its exhibits shall be known as the "Agreement Documents". Terms set forth in any Agreement Document shall be deemed to be incorporated in all Agreement Documents as if set forth in full herein. In the event of conflict between terms contained in these Agreement Documents, the more specific term shall govern. If any portion of the Agreement Documents is in conflict with any other portion or provisions contained in the AGREEMENT, the AGREEMENT shall govern over the conflicting provisions contained in the exhibits to the AGREEMENT. To eliminate doubt, in

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the case of conflict between Consultant's proposal or Consultant's attachments and the City's AGREEMENT and attachments, the City's AGREEMENT and attachments shall take precedence over Consultant's proposal and attachments.

B. Consultant enters into this AGREEMENT as an independent contractor and not as an employee of the City. The Consultant shall have no power or authority by this AGREEMENT to bind the City in any respect. Nothing in this AGREEMENT shall be construed to be inconsistent with this relationship or status. All employees, agents, contractors or subcontractors hired or retained by the Consultant are employees, agents, contractors or subcontractors of the Consultant and not of the City. The City shall not be obligated in any way to pay any wage claims or other claims made against Consultant by any such employees, agents, contractors or subcontractors, or any other person resulting from performance of this AGREEMENT.

C. The Consultant agrees it has satisfied itself by its own investigation and research regarding the conditions affecting the work to be done and labor and materials needed, and that its decision to execute this AGREEMENT is based on such independent investigation and research.

2. TERM OF AGREEMENT

A. The services of Consultant are to commence upon execution of this Agreement and shall be completed and this AGREEMENT terminated on June 30, 2026, unless otherwise extended in writing by the mutual agreement of both parties.

B. The City Manager or designee may, by written instrument signed by the Parties, extend the duration of this AGREEMENT in the manner provided in Section 5, provided that the extension does not require the payment of compensation in excess of the maximum compensation set forth in Section 3, Compensation.

C. The Agreement Deliverables are as follows:

<u>Deliverables</u>	<u>Date</u>
Substantial Completion of PROJECT	before 12/31/25
Final Completion of PROJECT	before 6/30/26

3. COMPENSATION:

A. The Consultant shall be paid in accordance to the attached Fee Schedule in **Exhibit "C"**. Consultant charges separately for certain costs incurred in the representation, as well as for any disbursements to third parties made on City's behalf. Such costs and disbursements include, for example, the following: mileage (at the IRS rate in effect at the time the travel occurs), overnight delivery and messenger services. Consultant shall be reimbursed for expenses related to travel, for example (flights, hotels, meals). However, Consultant shall not make travel arrangements or incur costs on behalf of City without prior written authorization to incur said expenses and in no event shall total compensation under this AGREEMENT exceed ONE HUNDRED THOUSAND DOLLARS (\$100,000) without City's prior written approval. An

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additional FIFTY THOUSAND DOLLARS (\$50,000) may be made available with written approval from the CITY.

B. Said amount shall be paid following satisfactory PROJECT progress and approval of the monthly billings by the CITY. Consultant shall furnish City with invoices for all expenses as well as for all materials authorized by this AGREEMENT. The invoices shall be submitted with the monthly billings.

C. If the work is temporarily suspended at the request of the City, compensation shall be based upon the portion of work completed as of the date of the suspension, subject to Section 4.

4. TERMINATION:

A. This AGREEMENT may be terminated by either party, provided that the other party is given not less than thirty (30) calendar days' written notice (delivered by registered mail) of intent to terminate.

B. The City may temporarily suspend this AGREEMENT, at no additional cost to City, provided that the Consultant is given written notice (delivered by certified mail, return receipt requested) of temporary suspension. If City gives such notice of temporary suspension, Consultant shall immediately suspend its activities under this AGREEMENT.

C. Notwithstanding any provisions of this AGREEMENT, Consultant shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this AGREEMENT by Consultant, and the City may withhold any payments due to Consultant until such time as the exact amount of damages, if any, due the City from Consultant is determined.

D. In the event of termination, the Consultant shall be compensated as provided for in this AGREEMENT, except as provided in Section 4C. Upon termination, the City shall be entitled to all final work and draft work, including but not limited to, appraisals, inventories, studies, analyses, drawings and data estimates performed to that date in accordance with Section 7 herein.

5. AMENDMENTS, CHANGES OR MODIFICATIONS:

Amendments, changes or modifications in the terms of this AGREEMENT may be made at any time by mutual written agreement between the parties hereto and shall be signed by the persons authorized to bind the parties hereto.

6. EXTENSIONS OF TIME:

Consultant may, for good cause, request extensions of time to perform the services required herein. Such extensions shall be authorized in advance by the City in writing and shall be incorporated in written amendments to this AGREEMENT in the manner provided in Section 5.

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7. **PROPERTY OF CITY:**

A. It is mutually agreed that all draft and final materials prepared by the Consultant under this AGREEMENT shall become the property of the City, and the Consultant shall have no property right therein whatsoever. Immediately upon termination, the City shall be entitled to, and the Consultant shall deliver to the City, all data, drawings, specifications, reports, estimates, summaries and other such materials as may have been prepared or accumulated to date by the Consultant in performing this AGREEMENT which is not Consultant's privileged information, as defined by law, or Consultant's personnel information, along with all other property belonging exclusively to the City which is in the Consultant's possession.

B. Additionally, it is agreed that the parties intend this to be an AGREEMENT for services and each considers the products and results of the services to be rendered by Consultant herein (the "Work") to be a work made for hire. Consultant acknowledges and agrees that the Work (and all rights therein, including, without limitation, copyright) belongs to and shall be the sole and exclusive property of the City.

8. **COMPLIANCE WITH ALL LAWS:**

A. Consultant shall comply with all applicable laws, ordinances, and codes of federal, State and local governments, and shall commit no trespass on any public or private property in performing any of the work authorized by this AGREEMENT. It shall be City's responsibility to obtain all rights of way and easements to enable Consultant to perform its services herein. Consultant shall assist City in providing the same.

B. Consultant warrants to the City that it is licensed by all applicable governmental bodies to perform this AGREEMENT and will remain so licensed throughout the progress of the Work, and that it has, and will have, throughout the progress of the Work, the necessary experience, skill and financial resources to enable it to perform this AGREEMENT.

9. **WARRANTIES AND RESPONSIBILITIES - CONSULTANT:**

A. Consultant agrees and represents that it is qualified to properly provide the services set forth in **Exhibit "A"** in a manner which is consistent with the generally accepted standards of Consultant's profession.

B. Consultant agrees and represents that the work performed under this AGREEMENT shall be in accordance with applicable federal, State and local law in accordance with Section 17A hereof.

C. Consultant shall designate a project manager who at all times shall represent the Consultant before the City on all matters relating to this AGREEMENT. The project manager shall continue in such capacity unless and until he or she is removed at the request of the City, is no longer employed by Consultant, or is replaced with the written approval of the City, which approval shall not be unreasonably withheld.

D. Consultant shall provide corrective services without charge to the City for services which fail to meet the above professional and legal standards and which are reported to Consultant in writing within sixty (60) days of discovery. Should Consultant fail or refuse to perform promptly its obligations, the City may render or undertake performance thereof and the Consultant shall be liable for any expenses thereby incurred.

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10. SUBCONTRACTING:

None of the services covered by this AGREEMENT shall be subcontracted without the prior written consent of the City., which will not be unreasonably withheld. Consultant shall be fully responsible to the City for the negligent acts and omissions of its contractors and subcontractors, and of persons either directly or indirectly employed by them, as it is for the negligent acts and omissions of persons directly employed by Consultant.

11. ASSIGNABILITY:

Consultant shall not assign or transfer any interest in this AGREEMENT whether by assignment or novation, without the prior written consent of the City. However, claims for money due or to become due to Consultant from the City under this AGREEMENT may be assigned to a financial institution, or to a trustee in bankruptcy, without such approval. Notice of any assignment or transfer whether voluntary or involuntary shall be furnished promptly to the City.

12. INTEREST IN AGREEMENT:

Consultant covenants that neither it, nor any of its employees, agents, contractors, subcontractors has any interest, nor shall they acquire any interest, direct or indirect, in the subject of the AGREEMENT, nor any other interest which would conflict in any manner or degree with the performance of its services hereunder. Consultant shall make all disclosures required by the City's conflict of interest code in accordance with the category designated by the City, unless the City Manager determines in writing that Consultant's duties are more limited in scope than is warranted by the category designated by the City code and that a narrower disclosure category should apply. Consultant also agrees to make disclosure in compliance with the City conflict of interest code if, at any time after the execution of this AGREEMENT, City determines and notifies Consultant in writing that Consultant's duties under this AGREEMENT warrant greater disclosure by Consultant than was originally contemplated. Consultant shall make disclosures in the time, place and manner set forth in the conflict of interest code and as directed by the City.

13. MATERIALS CONFIDENTIAL:

All of the materials prepared or assembled by Consultant pursuant to performance of this AGREEMENT are confidential and Consultant agrees that they shall not be made available to any individual or organization without the prior written approval of the City, except by court order.

14. LIABILITY OF CONSULTANT-NEGLIGENCE:

Consultant shall be responsible for performing the work under this AGREEMENT in a manner which is consistent with the generally-accepted standards of the Consultant's profession and shall be liable for its own negligence and the negligent acts of its employees, agents, contractors and subcontractors. The City shall have no right of control over the manner in which the work is to be done but only as to its outcome, and shall not be charged with the responsibility of preventing risk to Consultant or its employees, agents, contractors or subcontractors.

15. INDEMNITY AND LITIGATION COSTS:

To the fullest extent permitted by law, Consultant shall indemnify, defend, and hold harmless the City, its officers, officials, agents, and employees against all claims, damages,

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demands, liability, costs, losses and expenses, including without limitation court costs and reasonable attorneys' fees, arising from Consultant's negligent acts or negligent failure to act, errors, omissions or willful misconduct incident to the performance of this AGREEMENT except such loss or damage caused solely by the active negligence, sole negligence, or willful misconduct of the City. The provisions of this paragraph shall survive termination or suspension of this AGREEMENT.

16. CONSULTANT TO PROVIDE INSURANCE:

A. Consultant shall not commence any work before obtaining, and shall maintain in full force at all times during the duration and performance of this AGREEMENT, the policies of insurance specified in this Section. Such insurance must have the approval of the City as to limit, form, and amount, and shall be placed with insurers with a current A.M. Best's rating of no less than "A" in Class VII (an NR rating is acceptable for Worker's Compensation insurance written with the State Compensation Insurance Fund of California).

B. Prior to execution of this AGREEMENT and prior to commencement of any work, the Consultant shall furnish the City with certificates of insurance and copies of endorsements providing evidence of coverage for all policies required by the AGREEMENT. The Consultant and its contractors and subcontractors shall, at their expense, maintain in effect at all times during the performance of work under the AGREEMENT not less than the following coverage and limits of insurance, which shall be maintained with insurers and under forms of policy satisfactory to the City. The maintenance by Consultant and its contractors and subcontractors of the following coverage and limits of insurance is a material element of this AGREEMENT. The failure of Consultant or of any of its contractors or subcontractors to maintain or renew coverage or to provide evidence of renewal may be treated by the City as a material breach of this AGREEMENT. Approval of the insurance by the City shall not relieve or decrease any liability of Consultant.

1. Commercial General Liability Insurance.

a. Commercial General Liability Insurance with \$2,000,000 minimum limit for each occurrence and \$4,000,000 minimum limit for general aggregate.

b. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

c. Commercial General Liability Additional Insured Endorsement naming the following as insured on 2001 or earlier issued endorsement forms: "City of Manteca, its officers, officials, employees, agents, and volunteers".

2. Automobile Liability: If the vehicles are brought onto city facilities, covering any auto, or of Contractor has no owned autos, hired, and non-owned autos, the Contractor shall maintain automobile liability with limits no less than:

a. Automobile Liability Insurance with \$1,000,000 minimum limit per accident for bodily injury and property damage.

b. Automobile Liability Additional Insured Endorsement naming the following as additional insured: "City of Manteca, its officers, officials, employees, agents, and volunteers".

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3. Workers' Compensation: As required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.

4. Professional Liability (Errors and Omissions): Insurance appropriate to the Contractor's profession, with limit no less than \$2,000,000 per occurrence or claim, \$2,000,000 aggregate.

5. Other Insurance Provisions: The insurance policies are to contain, or be endorsed to contain, the following provisions:

a. The City of Manteca, its officers, officials, employees, agents and volunteers are to be covered as insured's as respect to: liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work operations. General liability coverage can be provided in the form of an endorsement to the Consultant's insurance at least as broad as CG 20 10 and CG 20 37 if completed operations coverage is required.

b. For any claims related to this contract, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, agents or volunteers, shall be excess of the Consultant's insurance and shall not contribute with it.

c. The applicant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

d. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City of Manteca.

6. Verification of Coverage: Consultant shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Entity before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Consultant's obligation to provide them. The City of Manteca reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

7. Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Entity.

8. Acceptability of Insurers: Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the City of Manteca.

9. Waiver of Subrogation: Consultant hereby grants to The City of Manteca a waiver of any right to subrogation which any insurer of said Consultant may acquire against the Entity by virtue of the payment of any loss under such insurance. Consultant agrees to

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obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the Entity has received a waiver of subrogation endorsement from the insurer.

10. Subcontractors: Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that The City of Manteca is an additional insured on insurance required from subcontractors.

11. SPECIAL RISKS OR CIRCUMSTANCES: The City of Manteca reserves the right to modify these requirements based on the nature of the risk, prior events, insurance coverage, or other special circumstances.

12. Consultant shall sign the Certificate of Compliance with labor Code 3700 (Exhibit B).

13. No other provision of this Agreement or any attachment thereto shall reduce the insurance or indemnity obligations imposed under this Section.

C. In addition to any other remedy the City may have, if Consultant fails to maintain the insurance coverage as required in this Section, the City may obtain such insurance coverage that is not being maintained, in the form and amount substantially the same as is required herein, and the City may deduct the cost of such insurance from any amounts due or which may become due to Consultant under this AGREEMENT.

D. No policy required by this AGREEMENT shall be suspended, cancelled, terminated by either party, or reduced in coverage or in limits unless written approval is obtained by Consultant from the City.

E. Any deductibles or self-insured retentions in excess of \$10,000 must be declared to, and approved by, the City.

F. The requirement as to types, limits, and the City's approval of insurance coverage to be maintained by Consultant are not intended to, and shall not in any manner, limit or qualify the liabilities and obligations assumed by Consultant under the AGREEMENT.

17. MISCELLANEOUS PROVISIONS:

A. Compliance with Laws. Consultant shall keep itself fully informed of, shall observe and comply with, and shall cause any and all persons, firms or corporations employed by it or under its control to observe and comply with, applicable federal, state, county and municipal laws, ordinances, regulations, orders and decrees which in any manner affect those engaged or employed on the work described by this AGREEMENT or the materials used or which in any way affect the conduct of the work.

B. Unlawful Acts. Consultant shall not engage in unlawful employment discrimination. Such unlawful employment discrimination includes, but is not limited to, employment discrimination based upon a person's race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, gender, citizenship, or sexual orientation.

C. Record Retention. Consultant shall maintain and make available for inspection by the City and its auditors accurate records of all of its costs, disbursements and receipts with

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respect to any work under this AGREEMENT. Such inspections may be made during regular office hours at any time until six (6) months after the final payments under this AGREEMENT are made to the Consultant.

D. Notice. All notices that are required to be given by one party to the other under this AGREEMENT shall be in writing and shall be deemed to have been given if delivered personally or enclosed in a properly addressed envelope and deposited in a United States Post Office for delivery by registered or certified mail addressed to the parties at the following addresses:

City:

Kyzen Nicolas
Associate Engineer
City of Manteca
1001 W. Center St.
Manteca, CA 95337

Consultant:

Randall Burner
President
Ghirardelli Associates, Inc.
2529 W. March Lane, Suite 201
Stockton, CA 95207
408-930-3410
randy@ghirardelliassoc.com

E. Governing Law and Venue. This AGREEMENT shall be interpreted and governed by the laws of the State of California, and any legal action relating to this AGREEMENT shall take place in the Superior Court, County of San Joaquin.

F. Waiver. Waiver of any breach or default under this Agreement shall not constitute a continuing waiver of a subsequent breach or default of the same or any other provision under this AGREEMENT.

G. Severability. If any provision 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.

H. Mediation. In the event of any controversy or claim arising out of or relating to this Agreement or the Services provided by Consultant (each referred to as a "Dispute" and all collectively referred to as the "Disputes"), the Parties shall try to resolve all Disputes through good faith, direct discussions involving the representatives of each Party who possess the necessary authority to resolve such Dispute. If direct discussions are unsuccessful in resolving a Dispute, the Parties shall endeavor to resolve the matter by mediation through and administered by JAMS or its successor in interest. JAMS shall provide the parties with the name of five (5) qualified mediators. Each party shall have the option to strike two of the five mediators selected by JAMS, and thereafter the mediator remaining shall hear the dispute. If the dispute remains unresolved after mediation, either party may commence litigation.

I. Costs and Attorney' Fees. If either party commences any legal action against the other party arising out of this Agreement or the performance thereof, the prevailing party in such action may recover its reasonable litigation expenses, including court costs, expert witness fees, discovery expenses, and attorneys' fees.

J. Entire Agreement. This AGREEMENT constitutes the entire agreement between the parties relative to the services specified herein and no modification hereof shall be effective

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unless and until such modification is evidenced by a writing signed by both parties to this AGREEMENT. There are no understandings, agreements, conditions, representations, warranties or promises, with respect to this AGREEMENT, except those contained in or referred to in writing.

K. Execution. This AGREEMENT may be executed in several counterparts, each of which shall constitute one and the same instrument and shall become binding upon the parties when at least one copy has been signed by both parties.

L. Authority to Enter Agreement Consultant warrants that it has all requisite power and authority to conduct its business and to execute, deliver, and perform this AGREEMENT. Each party warrants to the other that the signature to this AGREEMENT have the legal power, right, and authority to enter into this AGREEMENT and to bind each party.

M. California Prevailing Wage Requirement Pursuant to California Labor Code sections 1720 through 1861, the Consultant, its Contractor and all subcontractors shall ensure that all workers who perform work under this Agreement are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR), if applicable. This includes work performed during the design, site assessment, feasibility study, and other preconstruction phases of construction, including but not limited to inspection and land surveying work, regardless of whether any further construction work is conducted, and work performed during the post-construction phases of construction, including but not limited to all cleanup work at the jobsite. The most current prevailing wage determination can be found at <https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>.

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TO EFFECTUATE THIS AGREEMENT, each of the parties has caused this Agreement to be executed by its duly authorized representative as of the date set forth in the introductory paragraph on page 1 above.

CITY OF MANTECA:

CONSULTANT:

Toni Lundgren
City Manager

GHIRARDELLI ASSOCIATES, INC.
(Type name of Consultant/form of organization)*

ATTEST:

By:

Randall Bruner

(Signature)

Randall Bruner President/CEO

Cassandra Candini-Tilton,
Director of Legislative Services

(Type name and title)

COUNTERSIGNED:

By:

(Signature)

Matt Boring
Interim Director of Finance

(Type name and title)

COUNTERSIGNED:

Address:

2529 W March Lane, Suite 201

Stephanie Van Steyn,
Director of Human Resources

Telephone:

Stockton, CA 95207

408-930-3410

APPROVED AS TO FORM:

By:_____
Riana Daniel, Deputy City Attorney

EXHIBIT A

Consultant Proposal/Scope of Work

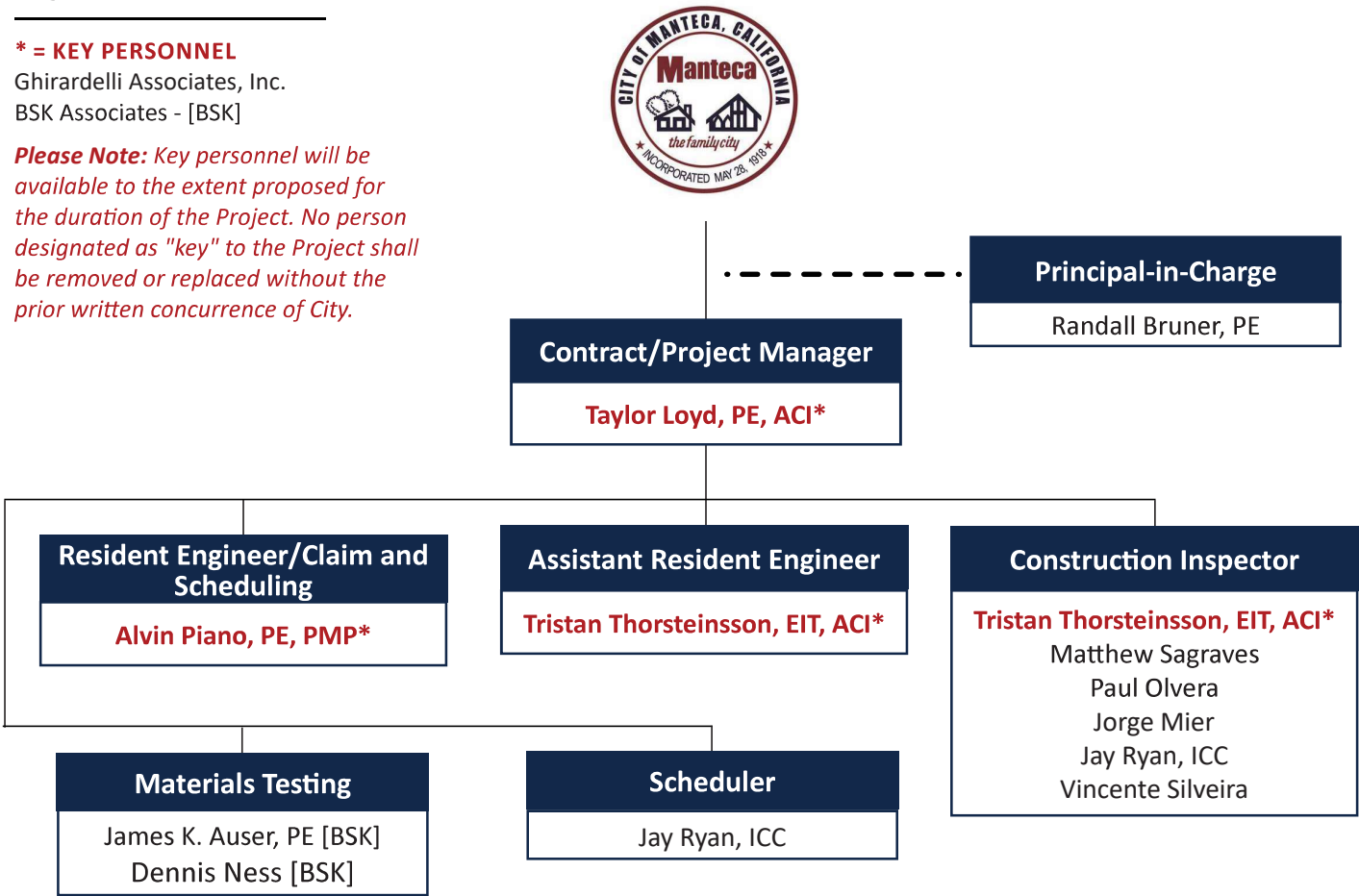
Organizational Chart

Each member of our team is committed to completing your project. The organization chart below shows our team structure and defines relationships among disciplines and tasks. We have provided resumes of key staff demonstrating their project qualifications, professional licenses/certifications, and years of experience in **Section B. Proposed Staffing and Project Organization**. If selected, this team will serve you for this contract.

LEGEND:

*** = KEY PERSONNEL**
Ghirardelli Associates, Inc.
BSK Associates - [BSK]

Please Note: Key personnel will be available to the extent proposed for the duration of the Project. No person designated as "key" to the Project shall be removed or replaced without the prior written concurrence of City.



Key Staff/ Location	Current Location	Current Assignment	Utilization	Anticipated Completion Date	Availability for this Project
Taylor Loyd Stockton, CA	Contract/Project Manager	On-Call CM (Mountain House)	75%	2026	75%
Alvin Piano Stockton, CA	Resident Engineer, Claims/Scheduling, Constructability Reviewer	On-Call Construction Management (City of Stockton)	75%	08/2025	75%
Tristan Thorsteinsson Stockton, CA	Assistant Resident Engineer, Construction Inspector	On-Call CM (Mountain House)	0%	2025	100%

C. Work Plan

WAWONA STREET, SHASTA PARK AREA, AND SAFE ROUTES TO SCHOOL PROJECTS

PROJECT APPROACH

All projects require coordination with the local school site and the Manteca Unified School District. Each site has distinct challenges, which we've identified through plan reviews and field inspections. Our experienced staff is ready to begin work immediately. The Wawona Street, Shasta Park Area, and Safe Routes to School (SRTS) projects are critical investments in the City's pedestrian, bicycle, and school access infrastructure. Our approach to these federally funded, multi-location projects emphasizes proactive coordination, technical precision, and responsiveness.

With all three projects set to begin concurrently, our CM team will implement a unified management structure to ensure consistent inspection standards, reduce conflicts with utilities and schools, and streamline reporting. Our preconstruction insight enables us to manage ADA transitions, traffic conflicts, and stakeholder coordination across all scopes.

We understand the complexities of working near schools, parks, and residential areas. Our team is trained in Caltrans Construction Engineering Manual (CEM) standards and ADA compliance, including curb ramps, AC paving, and signals. Work will be phased around the Manteca Unified School District calendar and sequenced to minimize disruptions near intersections and driveways.

To reduce public impacts and support contractor performance, we will lead preconstruction job walks, develop conflict resolution matrices, and track all permit, environmental, and utility requirements—especially PG&E transitions secured by the City. This ensures clear contractor expectations and strong schedule control.



Wawona Street (Union Road–Main Street)

Field visits and plan review indicate the following considerations for successful construction phasing:

- **Curb Ramp Conformance:** Several curb ramps will require extended sidewalk demolition to meet ADA cross-slope standards due to misaligned or non-compliant adjacent panels. At Sequoia Avenue & Wawona Street, a vault lid lies within the ramp footprint but is not shown on the plans; the standard Caltrans Type-C ramp depicted does not account for this and will require field modification.
- **Flat Roadway Crowns:** Many roadway segments are unusually flat, lacking the typical 2% crown required by City standards, which may impact drainage and curb ramp grading. Drawing L-2 outlines AC paving sequencing, which we will follow to guide staged pours and striping while maintaining access along Yosemite Ave and side streets.
- **Traffic and Parking Conflicts:** Heavy on-street parking at the Union Road and Wawona Street intersection will complicate traffic control. We propose phased work zones (half-width demo/replace) and early resident coordination to minimize disruptions.
- **Adjacent Project Proximity:** Although Wawona Street at Union Road (Wawona project) and Wawona Street at Winters Drive (SRTS project) do not overlap, their proximity could lead to contractor interference. Our team will implement staging and scheduling protocols to prevent simultaneous disruptions.

Shasta Park Area (Alpine Avenue, Placer Avenue, Edison Street, et al.)

Field observations at multiple intersections within the Shasta Park area revealed a number of non-standard conditions that require attention:

- **ADA Curb Ramp Conflicts:** At Dawn & Edison, a storm drain inlet lies within the ramp radius but is missing from demo sheets. Buckled sidewalks in the area may require wider removal and regrading than shown in the plans.
- **Tight Work Zones in Residential Areas:** Edison Street and nearby courts (Snowshoe Way, Summit Way) are narrow with heavy parking. Construction must maintain access for waste and emergency services through coordination with City traffic and maintenance staff.
- **Greenbelt & Park Interface:** Along Placer and Alpine, work near parks and landscaped frontages will require elevation adjustments, root protection, and turf restoration per Spec Section 01070, with close coordination with the Parks Department.
- **Critical Project Overlap with SRTS:** Shasta Park and SRTS projects overlap on Placer Ave, Snowshoe Way, Summit Way, Plumas Way, and Edison Street. Our team will use a consolidated work map and timeline matrix to coordinate scopes and avoid schedule conflicts.

- These shared streets require precise coordination of ramp, sidewalk, and asphalt work to prevent schedule conflicts or scope overlap between contractors. Our team will develop a consolidated work map and timeline matrix to deconflict activities across contracts.

Safe Routes to School (SRTS-Various School Zones)

This contract includes multiple ADA ramps and multiple school zones across the City. Based on the drawings and field walk, we identified the following key risks and coordination points:

- **Active School Construction Conflicts:** At Brock Elliott Elementary (Ellis/Stonum/Daniel), all four corners are slated for ramp replacement during ongoing campus modernization. With sidewalks closed and traffic rerouted to a temporary entrance, we will coordinate closely with the school district and their contractors to sequence ramp work around campus milestones and prevent redundant closures.
- **Signal and Electrical Scope:** The plans call for a new signal at Main & Jason and hybrid beacons at multiple crossings—long-lead items requiring early submittals and coordination with PG&E trenching and service drops. Sheets E-1 through E-6 show conduit alignments, which must be coordinated with storm drains and other utilities.
- **Curb Ramp Design vs Field Conditions:** Multiple ramps, including those along the Sierra High School frontage, are shown with standard Type C/A88A details, but field conditions reveal non-standard conform slopes, tight radii, and sidewalk/fence conflicts. Several also include utility vaults within or near landings, potentially requiring top adjustments, collar rebuilds, or ADA slope redesigns.
- **Ongoing Adjacent Projects:**
 - » Main & Jason Intersection – Signal project under construction
 - » Brock Elliott Elementary – Site work and fencing
 - » MUSD projects near Sequoia and Sierra High Schools
 - » Shasta Park project (see overlap streets above)
- These projects will require active coordination and schedule alignment to prevent curb ramp and asphalt scopes from conflicting or causing redundant demolition and replacement.
- **Final Punchlist:** Lead the final walk-through with the City and contractor, generate the punch list, and track completion of remaining items.
- **Project Close-Out:** Review and approve all final submittals, as-builts, warranties, change orders, and final pay estimate; assist with claim resolution if needed.
- **Deliverables Preparation:** Submit daily reports, digital records, as-builts, and post-construction review documents.

- **Warranty Review:** Conduct a one-year inspection to identify defects and issue a correction list.
- **Lessons Learned:** The Resident Engineer (RE) will prepare a report summarizing challenges, solutions, and recommendations for future projects.

COORDINATION & SEQUENCING CONSIDERATIONS

Recommended Concrete-First Strategy: Based on our constructability review, all curb ramps and sidewalk conform work should be completed before AC paving and final striping to ensure ADA compliance, prevent premature paving over adjusted grades, and avoid rework from elevation mismatches.



Shared locations across projects:

- Shasta Park and SRTS projects overlap on:
 - » Placer Avenue, Snowshoe Way, Summit Way, Plumas Way, Edison Street
- Wawona and SRTS projects are adjacent but not overlapping at:
 - » Wawona Street @ Union Road (Wawona)
 - » Wawona Street @ Winters Drive (SRTS)

All of these locations require a coordinated master schedule and weekly inter-project updates to avoid contractor conflicts, traffic disruptions, and redundant utility locates or closures.

TASK 1: PROJECT MANAGEMENT

Ghirardelli will assign a dedicated RE to oversee all three projects from start to closeout. The RE will coordinate all activities, maintain consistent communication with the City and stakeholders, and ensure adherence to contract specifications and schedules. Monthly progress reports will be submitted, covering status updates, budget tracking, and risk management. The RE will also lead regular meetings with the contractor and City staff to address issues promptly and manage all documentation, subcontracts, and change orders in compliance with City and regulatory requirements.

- **On-Site Management:** The RE will ensure 100% field

coverage and oversee all construction activities to meet project requirements.

- **Progress Reports:** The RE will prepare and submit monthly progress reports detailing project status, budget, and risks, supported by a unified dashboard tracking progress, budget, and contractor performance.
- **Schedule Monitoring:** The RE will manage the project master schedule in MS Project with Gantt overlays and will enforce and track the construction schedule to prevent delays.
- **Change Orders:** The RE will manage and review change orders for timely approval and compliance, while also tracking RFIs, submittals, and changes across all projects.
- **Risk Mitigation:** The RE will maintain risk and issue logs, identify potential problems, and implement early mitigation strategies to prevent procurement delays or schedule impacts.
- **Stakeholder Coordination:** The RE will lead coordination with internal City departments (public works, capital projects, traffic engineering) and external stakeholders (utility companies, school administrators) to ensure smooth project delivery.
- **Labor Compliance:** The RE will monitor and enforce labor compliance, ensuring that all work adheres to prevailing wage laws, labor standards, and DBE participation requirements.

This integrated management structure enables responsive decision-making, quick conflict resolution, and full alignment with City goals and federal compliance requirements.

TASK 2: CONSTRUCTION MANAGEMENT SERVICES DURING CONSTRUCTION

Ghirardelli will provide on-site construction management and inspection services with 100% field coverage to ensure all work complies with project plans and specifications. Daily inspections will be documented with detailed reports, photos, and videos for accountability. The team will lead weekly construction meetings and monthly status meetings with the City to review progress and resolve issues. We will monitor the construction schedule, track installed quantities, update the budget, and manage submittals and RFIs in coordination with the City and Design Engineer to ensure timely, accurate responses.

- **Project Records:** The RE will maintain a digital filing system per Caltrans standards, accessible to the City at all times.
- **Coordination:** The RE will ensure full team coverage and daily coordination with the contractor, stakeholders, and residents, including timely construction notifications.
- **Public Relations:** The RE will manage public outreach, ensure contractor compliance with notice requirements,

and address concerns from property owners, businesses, and schools.

- **Contract Administration:** The RE will oversee daily administration, track progress, manage submittals and RFIs, control costs, and monitor the schedule.
- **Weekly Meetings:** The RE will lead weekly meetings to review progress, schedules, safety, and resolve issues.
- **Inspection/SWPPP:** The RE will enforce daily construction compliance, monitor safety, oversee SWPPP implementation, traffic control, and verify progress for payment.

Our team will provide daily onsite oversight and coordination with the prime contractor(s) using a unified inspection staff trained in Caltrans construction and ADA standards. With all three projects starting concurrently, we will ensure daily coordination with City forces, public notifications, and lookahead schedule reviews.



Wawona Street Project: Improvements include curb ramps, signage (Section 02082), Class III bikeway striping (Section 02084), and AC paving (Section 02070). High-traffic intersections at Union Road and Main Street will be staged carefully to maintain access. Inspectors will track excavation, compaction, and sidewalk grading using City-approved checklists and photographs.

Shasta Park Area Project: Residential corridors such as Alpine Avenue, Snowshoe Way, and Edison Street will be resurfaced and re-striped. Inspectors will coordinate AC grinding, overlay, and placement to reduce access limitations and ensure driveway access during pours. Public notices and trash collection access will be maintained for every affected residence.

Safe Routes to School Project:

- **Golden West Elementary:** Work on W Louise Avenue and Gold Street will be phased during Fall and Winter Breaks to minimize conflicts with arrival/dismissal periods.
- **Shasta Elementary:** Curb ramps and striping on Nordic Place and Summit Way will be prioritized during minimum days and school holidays.

- **Manteca High School:** Signal and signage upgrades on Garfield Avenue and Yosemite Avenue will occur during Winter Break to avoid peak pedestrian hours.
- **Brock Elliott, Stella Brockman, and Sierra High Schools:** Sidewalk reconstruction and striping across over multiple streets (e.g., Parkview Street, Driftwood Way, Valais Lane) will be scheduled around holidays and Spring Break. Coordinators will notify parents via school e-blasts and flyers.

Across all projects, our field team will use real-time inspection logs and QR code signage for public awareness.

TASK 3 QUALITY ASSURANCE AND MATERIALS TESTING SERVICES

Ghirardelli will partner with **BSK Associates (BSK)** to perform all necessary testing and inspections as required by the project specifications. Our Quality Assurance (QA) team will oversee the testing of materials such as hot mix asphalt (HMA), aggregate base (AB), and slurry seal, ensuring that all procedures comply with Caltrans Quality Assurance Program guidelines. We will ensure that all testing equipment is properly calibrated and that test results are promptly reported to the City for review. Additionally, we will review and verify certified payroll to confirm compliance with prevailing wage requirements. In the event of any test failures, we will coordinate retesting or re-inspections, ensuring that corrective actions are implemented swiftly and effectively.

- A trusted partner on many of our projects, BSK will provide special inspections and materials testing for this project. Their services will include sampling, testing, plant inspections, and contractor feedback to ensure compliance with contract specifications. Working closely with Ghirardelli's Inspectors, BSK will help determine if work is accepted or rejected as needed to maintain effective quality control and quality assurance standards.

The quality assurance program will rely on Caltrans protocols, with testing performed by qualified laboratories and inspectors familiar with federal-aid documentation and materials compliance.



Key QA measures include:

- **Curb Ramp Conformance**
 - » Inspect all constructed ramps using Caltrans Form CEM-2025 and ADA slope templates.
 - » Verify conformance of truncated domes, flare slopes, and landings to applicable standards.
- **AC Paving**
 - » Conduct field compaction testing and core sampling at City-specified intervals.
 - » Verify asphalt mix designs and ticketing records against approved submittals.
- **Striping and Signage**
 - » Perform retroreflectivity testing after installation of pavement markings.
 - » Check sign height, lateral setback, and orientation for MUTCD compliance.
- **Materials Submittals**
 - » Office Engineer to log and track all material submittals, including mix designs, pipe, signage, and concrete.
 - » Maintain test reports in a traceable system for FHWA audit readiness.
- **Environmental Testing (as-needed)**
 - » Coordinate environmental field testing in response to hazardous soil or cultural resource discoveries.
 - » Follow procedures outlined in Spec Section 01070 for environmental compliance.

Our QA/QC coordinator will maintain a daily record of compliance and will prepare draft acceptance memos for City review.

TASK 4: POST-CONSTRUCTION SERVICES

As the Project moves into the post-construction phase, Ghirardelli will review and prepare all project closeout documents, including warranties, operation manuals, and final maintenance documentation. We will coordinate final inspections to ensure all punch list items are completed to the City's satisfaction. A digital copy of all project records will be provided, organized according to the approved file structure, and all as-built drawings will be accurately documented and submitted. We will also ensure compliance with multi-agency post-construction stormwater standards by verifying that the stormwater infrastructure is functioning as intended. Additionally, a post-construction review will be conducted to identify lessons learned, with recommendations provided for improvements in future projects.

- **Final Punchlist:** Conduct a final walk-through with the City and contractor, prepare the punch list, and track completion of outstanding items.

- **Project Close-Out:** Review and approve final contractor submittals, as-builts, warranties, and change orders, and complete the final pay estimate. Assist the City with claim resolution if needed.
- **Deliverables Preparation:** Provide daily project documentation, digital construction records, as-builts, and post-construction review/lessons learned documents to the City.
- **Warranty Review:** Perform a one-year review of the improvements to identify any defects and provide a list to the City and contractor for correction.

Following substantial completion, our team will support project closeout, punch list completion, and final documentation handoff. Final inspections will be conducted with the City, contractor, and design team.

- Post-construction responsibilities include:
- Prepare final punch lists and field reports.
- Confirm site restoration compliance per Section 1.06.
- Coordinate with the contractor on Notice of Completion (NOC) and DSA closeout, where applicable.
- Collect final pay quantities, verify as-built redlines, and organize turnover binders.
- Schedule warranty walkthroughs (if specified) and ensure all outstanding work items are tracked.

This phase ensures clear project turnover and readiness for audit by federal or state oversight bodies.

TASK 5: OTHER SERVICES AS NECESSARY

In addition to core tasks, Ghirardelli offers support services to ensure project success. This includes claim resolution and schedule analysis to address disputes efficiently, as well as public outreach through construction notices, detour updates, and community communication. We will monitor and enforce SWPPP compliance to meet environmental standards and manage labor compliance in-house to ensure adherence to all regulations. These added services help maintain smooth execution, minimize disruptions, and ensure full regulatory compliance.

To enhance communication and coordination:

- Provide a rolling 3-week lookahead to MUSD, PD, and transit agencies.
- Convene weekly staff huddles to deconflict shared workspace and resource allocations.
- Maintain AB 413 compliance logs for City and law enforcement, supporting education/enforcement rollout.

ANTICIPATED CITY INVOLVEMENT

Coordinate a City/Contractor/Ghirardelli kick-off meeting.

- Facilitate coordination amongst RE and Designer and establish lines of communication.
- Attend weekly construction progress meetings as needed/desired.
- Provide guidance, feedback or direction for changes affecting cost and schedule.
- Provide guidance, feedback or direction for items affecting public safety.
- Include project management, and City on correspondence.
- Attend field reviews when necessary.
- Inform RE of any community concerns immediately.
- Provide City review on traffic handling/traffic control plans and construction staging.
- City Approval of Encroachment Permit to work on City right of way.
- City Approval of Fire Hydrant Water Meter Permit.
- Update the City's website and social media to communicate project impacts to the local community (residents/businesses).
- Assist with interpretation of plans and specifications as it relates to City policy or standards.
- Provide concurrence for contractor requests for overtime, Saturday work or deviation from allowed working hours.
- Provide oversight and support for coordination with utility agencies.

CONCLUSION

This work plan provides a comprehensive roadmap for managing the Wawona, Shasta Park Area, and Safe Routes to School projects concurrently. With an emphasis on collaboration, technical discipline, and public safety, our team is prepared to guide these critical improvements from pre-construction through final acceptance. We bring the expertise, staffing, and systems to meet the City's expectations and to deliver value to its residents and students.

E.CONTRACT COMMENTS

Ghirardelli has reviewed the sample agreement and insurance requirements included in Attachment B of the RFP and accepts the terms and conditions as stated, without exception. We will not propose any contract comments or deviations.



Ghirardelli Associates, Inc.
Project Staffing Effort - Hours and Cost Proposal
Various Roadway, Bike, and Pedestrian Improvement Project(s)

July 22, 2025

		Classifications					Total Hours
		Project Manager	Resident Engineer	Assistant RE / Inspector	Construction Inspector	Construction Inspector	
		\$ 273.61	\$ 273.61	\$ 197.40	\$ 194.58	\$ 215.82	
SCOPE OF SERVICES		Estimated Hours					
A.	Task 1: Project Management						
1.1	Provide overall project management, coordination, and supervision of project staff to facilitate the performance of the work.	8	40	0	0	0	48
Total Hours - Task 1		8	40	0	0	0	48
Total Cost - Task 1		\$ 2,188.88	\$ 10,944.40	\$ -	\$ -	\$ -	\$ 13,133.28
B.	Task 2: Preconstruction Services						
2.1	Coordinate with Contractor, City Project Manager, Consultant's Design Engineer, and other parties	0	32	20	0	0	52
2.2	Set up Certified Payrolls that the Consultant or sub-consultant	0	Incl	Incl	0	0	0
2.3	Review Project Traffic Control Plan(s) during pre-construction reviews	0	Incl	Incl	0	0	0
2.4	Review contractor's schedule, evaluate and confer with the City	0	Incl	Incl	0	0	0
2.5	Review safety programs developed by the Contractor	0	Incl	Incl	0	0	0
2.6	Prepare for approval file naming convention, file format/s and directory structure for all project files	0	8	20	0	0	28
Total Hours - Task 2		0	40	40	0	0	80
Total Cost - Task 2		\$ -	\$ 10,944.40	\$ 7,896.00	\$ -	\$ -	\$ 18,840.40
C.	Task 3: Construction Management Services During Construction						
3.1	Maintain close contact with City on all correspondence	16	20	8	0	0	44
3.2	Review Certified Payrolls that the Consultant or sub-consultant is in compliance with the State Labor Code	0	10	128	0	0	138
3.3	Provide day-to-day on-the-job observation/inspection of all construction work on the project	0	20	180	480	960	1640
3.4	Schedule and conduct construction weekly progress meetings online using Microsoft Teams, Zoom or equivalent	32	64	64	32	32	224
3.5	Attend monthly status report meetings with the City to review detailed construction progress and budget status through Microsoft Teams, Zoom or equivalent	32	64	32	0	0	128
3.6	Enforce the construction schedule and phasing plan in order to complete the project within the allocated time and schedule	Incl	Incl	Incl	Incl	Incl	0
3.7	Monitor the construction budget and ensure that the project remains within budget	Incl	Incl	Incl	Incl	Incl	0
3.8	Review and respond to product and project submittals and/or coordinate with the Design Engineer and the City to review project submittals	0	80	80	0	0	160
3.9	Review and respond to all Requests for Information (RFIs) and/or coordinate with the Design Engineer and surveyor to provide responses	0	Incl	Incl	0	0	0
	Collect, log, review, distribute, track, and respond to all material submittals submitted by the Contractor and surveyor	0	Incl	Incl	0	0	0
	Review Contractor's schedule of values	0	8	0	0	0	8
	Review quantities submitted with monthly progress payment requests	0	32	32	16	16	96
	Prepare monthly progress payment recommendations by making measurements of bid items on the project cost breakdown	0	32	32	16	16	96
	Review all change orders related to construction issues based on the project drawings, specifications, and other design information from the Design Engineer	8	16	16	0	0	40
	Perform change order analysis, including reviewing: logs of proposed change orders, change order quotations from Contractor, negotiated change order costs, time extensions, processing final negotiated change orders, and effect of approved change orders in progress payment breakdowns	0	16	16	0	0	32
	Prepare Contract Change Orders and recommendations to accompany change order documents and forward to the Resident Engineer for review and approval	0	16	16	0	0	32
	Review and inspect for certificates of compliance with each project delivery for furnished construction materials to be incorporated into the work	0	Incl	Incl	Incl	Incl	0
	Review and inspect job site appearance per the project specifications	0	Incl	Incl	Incl	Incl	0
	Review Project Traffic Control Plan(s) prepared by the Contractor to determine compliance with the Project contract documents	0	24	12	0	0	36
	Coordinate residential and business notification to determine compliance with the Project contract documents	Incl	Incl	Incl	Incl	Incl	0
Total Hours - Task 3		88	402	616	544	1024	2674
Total Cost - Task 3		\$ 24,077.68	\$ 109,991.22	\$ 121,598.40	\$ 105,851.52	\$ 220,999.68	\$ 582,518.50

D.	Task 4: Quality Assurance and Materials Testing Services						
4.1	Consultant shall provide a sub-consultant as a certified materials testing agency (MTA) to perform testing services	Incl	Incl	Incl	Incl	Incl	0
4.2	The MTA shall have an Independent Quality Assurance Program	Incl	Incl	Incl	Incl	Incl	0
4.3	All test results shall be reported to the City in the shortest time that the specific test will realistically allow	Incl	Incl	Incl	Incl	Incl	0
4.4	The Consultant guarantees that the offered equipment, material or services meet all safety requirements	Incl	Incl	Incl	Incl	Incl	0
4.5	The submittal of certified payroll records will be required as work is performed or when they are needed to verify that the Consultant is in compliance	Incl	Incl	Incl	Incl	Incl	0
4.6	If the MTA fails any tests or inspections, retests or re-inspections will be required	Incl	Incl	Incl	Incl	Incl	0
4.7	All certifications must be kept current throughout the project duration	Incl	Incl	Incl	Incl	Incl	0
4.8	Consultant is therefore encouraged to provide, wherever and whenever possible, the same field personnel for the duration of construction of the project	Incl	Incl	Incl	Incl	Incl	0
4.9	The materials testing personnel will not provide services unless authorized by the City	Incl	Incl	Incl	Incl	Incl	0
Total Hours - Task 4		0	0	0	0	0	0
Total Cost - Task 4		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
E.	Task 5: Post Construction Services						
5.1	Review, prepare and scan project closeout documents	0	40	40	0	0	80
5.2	At the conclusion of the project, the Consultant shall provide the City with a digital copy of all the project records	0	8	8	0	0	16
5.3	Perform post construction review and prepare lessons learned documents for future projects	8	8	8	8	8	40
5.4	Perform optional service if needed: claim resolution and detailed schedule analysis	0	0	0	0	0	0
5.5	Review punch lists items of remaining work	0	8	8	32	32	80
5.6	Coordinate with the City for final inspection	0	8	8	0	0	16
5.7	Submit scanned final record drawings	0	8	8	0	0	16
Total Hours - Task 5		8	80	80	40	40	248
Total Cost - Task 5		\$ 2,188.88	\$ 21,888.80	\$ 15,792.00	\$ 7,783.20	\$ 8,632.80	\$ 56,285.68
F.	Task 6: Other Services as Necessary						
	BSK Associates: Materials Testing and SWPPP						
Total Hours - Task 6		0	0	0	0	0	0
Total Cost - Task 6		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,514.00
G.	Other Direct Charges						
Total - Other Direct Charges							\$ -
TOTAL - ALL HOURS		104	562	736	584	1064	3050
TOTAL COST with ODCs		\$ 28,455.44	\$ 153,768.82	\$ 145,286.40	\$ 113,634.72	\$ 229,632.48	\$ 771,291.86

Overall Assumptions

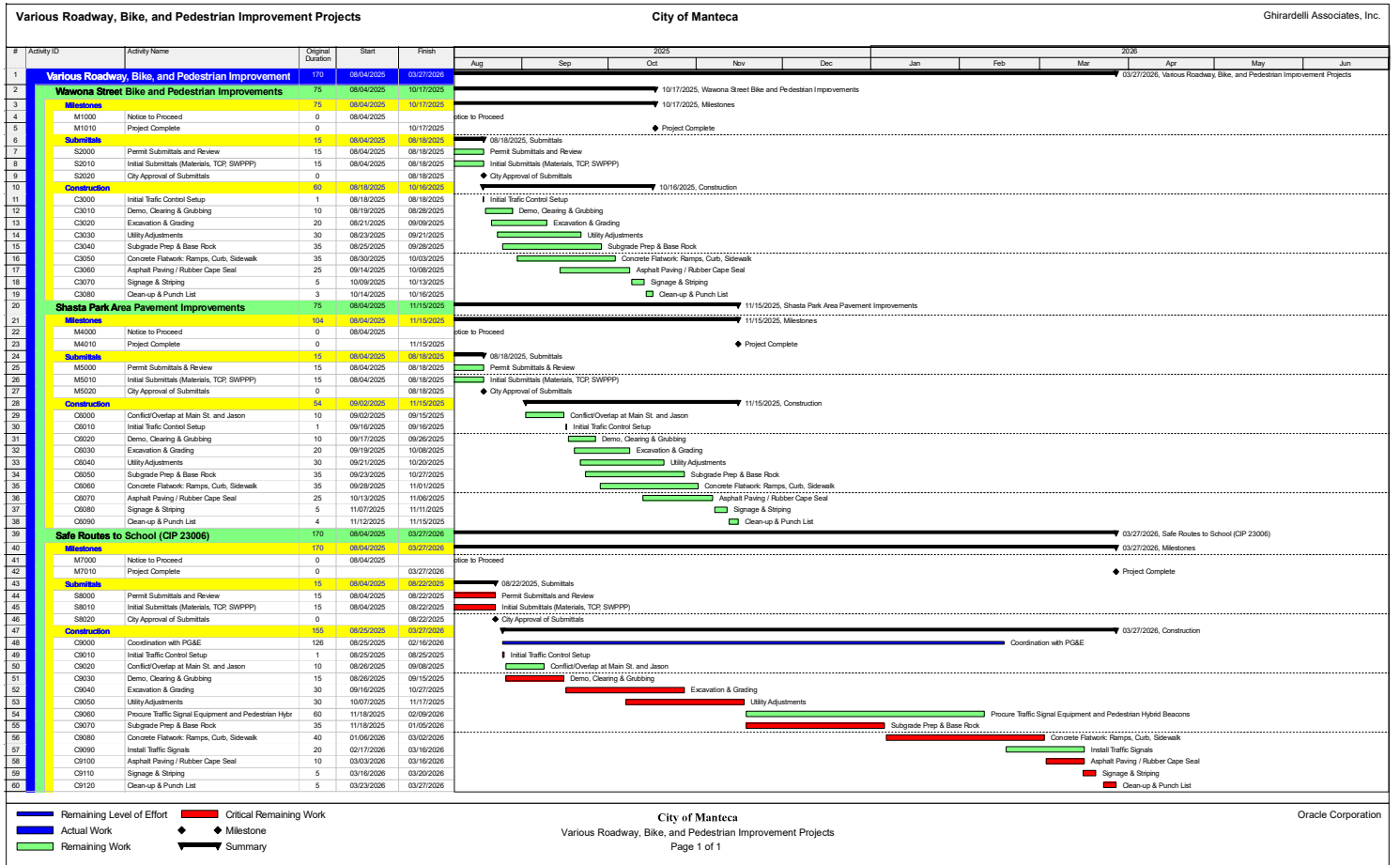
1. The cost estimate is based on the working days in the project specifications. Weekend and holidays are excluded.
2. Hourly rates include vehicle, mobile phone, laptop, and camera.
3. Rates valid until 6/30/2026. Annual rate escalation is 5%.
4. If/When Tasks require additional hours than allotted, hours will be billed on a Time and Materials basis.
5. Construction inspection activities are subject to prevailing wage requirements.
6. Per prevailing wage requirements, a shift differential is for any covered work shift beginning after 2PM.
7. Time will be tracked and submitted in accordance with the tasks identified in the scope of services.
8. PM will be responsible for overall management of Ghirardelli staff as well as attendance in weekly project meetings, monthly budget updates with City staff, and signing off on the final acceptance of the project.
9. Resident Engineer and Assistant Resident Engineer will be responsible for review of submittals, RFIs, and maintenance of submittal log for all tasks.
10. Construction inspector will be primary field inspector for the duration of the project. Assistant Resident Engineer is available for field inspection as workload dictates need for second inspector or backfill for sick days and vacation.
10. This cost estimate is subject to change based on new information or the contractor's schedule.

Shasta Park Area Pavement Improvement Project

FIELD SERVICES	DAYS	HRS/DAY	HOURS	RATE	EXTENSION
Earthwork Construction					
Group 3 - Compaction Testing Technician	1	4	4	\$159.00	\$636.00
Nuclear Gauge Equipment Fee	1			\$74.00	\$74.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	1			\$35.00	\$35.00
Hot Mix Asphalt Construction					
Group 3 - Compaction Testing Technician - Digout Repair	1	8	8	\$159.00	\$1,272.00
Group 3 - Compaction Testing Technician - Type A HMA	2	8	16	\$159.00	\$2,544.00
Nuclear Gauge Equipment Fee	2			\$74.00	\$148.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	2			\$35.00	\$70.00
Microsurfacing / Chip Seal Construction					
Group 3 - Sampling and Testing	2	8	16	\$159.00	\$2,544.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	2			\$35.00	\$70.00
FIELD SERVICES ESTIMATE					\$7,393.00

LABORATORY TESTING		FREQUENCY	SETS/UNITS	RATE	EXTENSION
Soils Testing					
Compaction Curves - AB (6" Mold)	1 per material	1	\$336.00	\$336.00	
Sieve Analysis of Soils (CTM 220)	1 per material	1	\$226.00	\$226.00	
Sand Equivalent (CTM 217)	1 per material	1	\$167.00	\$167.00	
Plasticity Index of Soils (ASTM D4318)	1 per material	1	\$290.00	\$290.00	
Microsurfacing					
Abrasion by LA Rattler	1st day of production / material	1	\$311.00	\$311.00	
Percent Crushed Particles (CT 205)	1st day of production / material	1	\$218.00	\$218.00	
Sand Equivalent (CT 217)	1 per day	1	\$167.00	\$167.00	
Durability Index (CTM 229)	1st day of production / material	1	\$331.00	\$331.00	
Sieve Analysis of Fine & Coarse Aggregate (C136)	1 per day	1	\$226.00	\$226.00	
Moisture Content (AASHTO T255)	1 per day	1	\$47.00	\$47.00	
Viscosity - Emulsion (AASHTO T59)	1 per day	1	\$115.00	\$115.00	
Sieve test (%) (AASHTO T59)	1 per day	1	\$98.00	\$98.00	
Storage Stability, 1 day (AASHTO T59)	1 per day	1	\$185.00	\$185.00	
Settlement (ASTM D244)	1 per day	1	\$185.00	\$185.00	
Residue by Evaporation (AASHTO T49)	1 per day	1	\$127.00	\$127.00	
Penetration (AASHTO T49)	1 per day	1	\$98.00	\$98.00	
Softening Point (AASHTO T53)	1 per day	1	\$127.00	\$127.00	
Torsional Recovery (CT 332)	1 per day	1	\$190.00	\$190.00	
Chip Seal					
Abrasion by LA Rattler	1st day of production / material	1	\$311.00	\$311.00	
Percent Crushed Particles (CT 205)	1st day of production / material	1	\$218.00	\$218.00	
Flat & Elongated Particles (ASTM D4791)	1st day of production / material	1	\$167.00	\$167.00	
Durability Index (CTM 229)	1st day of production / material	1	\$331.00	\$331.00	
Sieve Analysis of Fine & Coarse Aggregate (CT 202)	1 per day	1	\$226.00	\$226.00	
Cleanness Value (CT 227)	1 per day	1	\$238.00	\$238.00	
Viscosity - Emulsion (AASHTO T59)	1 per day	1	\$115.00	\$115.00	
Sieve test (%) (AASHTO T59)	1 per day	1	\$98.00	\$98.00	
Storage Stability, 1 day (AASHTO T59)	1 per day	1	\$185.00	\$185.00	
Residue by Evaporation (AASHTO T49)	1 per day	1	\$127.00	\$127.00	
Penetration (AASHTO T49)	1 per day	1	\$98.00	\$98.00	
Ductility (AASHTO T51)	1 per day	1	\$144.00	\$144.00	
Elastic Recovery (AASHTO T301)	1 per day	1	\$144.00	\$144.00	
HMA Testing					
Sieve Analysis - Combined Aggregate Sample (CTM 202)	1 per day	2	\$226.00	\$452.00	
Sand Equivalent (CTM 217)	1 per day	2	\$167.00	\$334.00	
Asphalt Binder Content (CTM 382)	1 per day	2	\$296.00	\$592.00	
Superpave Ignition Oven Correction (AASHTO T308)	1 per mix	1	\$689.00	\$689.00	
HMA Moisture Content (CTM 370)	1 per day	2	\$87.00	\$174.00	
Theoretical Maximum Density (CTM 309)	1 per day	2	\$331.00	\$662.00	
HMA Core Unit Weight/ Bulk Specific Gravity (CTM 308)	1 per 250 Tons	7	\$84.00	\$588.00	
LABORATORY TESTING ESTIMATE				\$9,337.00	

BSK SERVICES ADMINISTRATION		HOURS	RATE	EXTENSION
Principal (Contract / Performance Oversight)		1	\$299.00	\$299.00
Registered Engineer (Review, support and reporting)		4	\$263.00	\$1,052.00
Project Manager (Field Oversight, Daily Report Review)		6	\$263.00	\$1,578.00
Administration (Data Processing, Report Prep., Field Coordination)		6	\$105.00	\$630.00
Certified Payroll / DIR Upload	Monthly	2	\$300.00	\$600.00
ADMINISTRATION ESTIMATE				\$4,159.00
TOTAL BUDGET ESTIMATE				\$20,889.00



Agreement for Services

EXHIBIT B

CERTIFICATE OF COMPLIANCE WITH LABOR CODE § 3700
[Labor Code § 1861]

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this AGREEMENT.

CONSULTANTS

Randall Bruner

By: _____
[Title]

EXHIBIT C
Fee Schedule



Ghirardelli Associates, Inc.
Project Staffing Effort - Hours and Cost Proposal
Shasta Park Area Pavement Improvement Project

August 8, 2025

SCOPE OF SERVICES

A.	Task 1: Project Management
1.1	Provide overall project management, coordination, and supervision of project staff to facilitate the performance of the work
Total Hours - Task 1	
Total Cost - Task 1	
B.	Task 2: Preconstruction Services
2.1	Coordinate with Contractor, City Project Manager, Consultant's Design Engineer, and other parties
2.2	Set up Certified Payrolls that the Consultant or sub-consultant
2.3	Review Project Traffic Control Plan(s) during pre-construction reviews
2.4	Review contractor's schedule, evaluate and confer with the City
2.5	Review safety programs developed by the Contractor
2.6	Prepare for approval file naming convention, file format/s and directory structure for all project files
Total Hours - Task 2	
Total Cost - Task 2	
C.	Task 3: Construction Management Services During Construction
3.0	Review Certified Payrolls that the Consultant or sub-consultant is in compliance with the State Labor Code
3.1	Maintain close contact with City on all correspondence
3.2	Provide day-to-day on-the-job observation/inspection of all construction work on the project
3.3	Schedule and conduct construction weekly progress meetings online using Microsoft Teams, Zoom or equivalent
3.4	Attend monthly status report meetings with the City to review detailed construction progress and budget status through Microsoft Teams, Zoom or equivalent
3.5	Enforce the construction schedule and phasing plan in order to complete the project within the allocated time and schedule
3.6	Monitor the construction budget and ensure that the project remains within budget
3.7	Review and respond to product and project submittals and/or coordinate with the Design Engineer and the City to review project submittals
3.8	Review and respond to all Requests for Information (RFIs) and/or coordinate with the Design Engineer and surveyor to provide responses
3.9	Collect, log, review, distribute, track, and respond to all material submittals submitted by the Contractor and surveyor
3.10	Review Contractor's schedule of values
3.11	Review quantities submitted with monthly progress payment requests
3.12	Prepare monthly progress payment recommendations by making measurements of bid items on the project cost breakdown
3.13	Review all change orders related to construction issues based on the project drawings, specifications, and other design information from the Design Engineer
3.14	Perform change order analysis, including reviewing: logs of proposed change orders, change order quotations from Contractor, negotiated change order costs, time extensions, processing final negotiated change orders, and effect of approved change orders in progress payment breakdowns
3.15	Prepare Contract Change Orders and recommendations to accompany change order documents and forward to the Resident Engineer for review and approval
3.16	Review and inspect for certificates of compliance with each project delivery for furnished construction materials to be incorporated into the work
3.17	Review and inspect job site appearance per the project specifications

Classifications				Total Hours
Project Manager	Resident Engineer	Assistant RE / Inspector	Construction Inspector	
\$ 273.61	\$ 273.61	\$ 197.40	\$ 215.82	
Estimated Hours				
4	8	0	0	12
4	8	0	0	12
\$ 1,094.44	\$ 2,188.88	\$ -	\$ -	\$ 3,283
4	20	16	0	40
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
4	20	16	0	40
\$ 2,188.88	\$ 5,472.20	\$ 3,158	\$ -	\$ 10,819
0	8	16	0	24
4	40	Incl	0	44
0	Incl	79	0	79
4	32	16	0	52
4	32	8	0	44
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	8	0	8
0	Incl	8	0	8
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0
0	Incl	Incl	0	0

3.18	Review Project Traffic Control Plan(s) prepared by the Contractor to determine compliance with the Project contract documents	0	Incl	Incl	0	0
3.19	Coordinate residential and business notification to determine compliance with the Project contract documents	0	Incl	Incl	0	0
Total Hours - Task 3		12	112	142.8685917	0	243
Total Cost - Task 3		\$ 3,283	\$ 30,644	\$ 28,202	\$ -	\$ 62,130
D. Task 4: Quality Assurance and Materials Testing Services						
4.1	Consultant shall provide a sub-consultant as a certified materials testing agency (MTA) to perform testing services	0	Incl	Incl	0	0
4.2	The MTA shall have an Independent Quality Assurance Program	0	Incl	Incl	0	0
4.3	All test results shall be reported to the City in the shortest time that the specific test will realistically allow	0	Incl	Incl	0	0
4.4	The Consultant guarantees that the offered equipment, material or services meet all safety requirements	0	Incl	Incl	0	0
4.5	The submittal of certified payroll records will be required as work is performed or when they are needed to verify that the Consultant is in compliance	0	Incl	Incl	0	0
4.6	If the MTA fails any tests or inspections, retests or re-inspections will be required	0	Incl	Incl	0	0
4.7	All certifications must be kept current throughout the project duration	0	Incl	Incl	0	0
4.8	Consultant is therefore encouraged to provide, wherever and whenever possible, the same field personnel for the duration of construction of the project	0	Incl	Incl	0	0
4.9	The materials testing personnel will not provide services unless authorized by the City	0	Incl	Incl	0	0
Total Hours - Task 4		0	0	0	0	0
Total Cost - Task 4		\$ -	\$ -	\$ -	\$ -	\$ -
E. Task 5: Post Construction Services						
5.1	Review, prepare and scan project closeout documents	0	8	8	0	16
5.2	At the conclusion of the project, the Consultant shall provide the City with a digital copy of all the project records	0	Incl	2	0	2
5.3	Perform post construction review and prepare lessons learned documents for future projects	2	Incl	2	0	4
5.4	Perform optional service if needed: claim resolution and detailed schedule analysis	0	0	0	0	0
5.5	Review punch lists items of remaining work	0	Incl	2	0	2
5.6	Coordinate with the City for final inspection	0	Incl	2	0	2
5.7	Submit scanned final record drawings	0	Incl	2	0	2
Total Hours - Task 5		2	8	18	0	28
Total Cost - Task 5		\$ 547	\$ 2,189	\$ 3,553	\$ -	\$ 6,289
F. Task 6: Other Services as Necessary						
	BSK Associates: Materials Testing and SWPPP					\$ 17,478
Total Hours - Task 6		0	0	0	0	\$ -
Total Cost - Task 6		\$ -	\$ -	\$ -	\$ -	\$ 17,478
G. Other Direct Charges						
Total - Other Direct Charges						\$ -
TOTAL - ALL HOURS		22	148	177	0	347
TOTAL COST with ODCs		\$ 7,114	\$ 40,494	\$ 34,914	\$ -	\$ 100,000

- Overall Assumptions**
- 1. The cost estimate is based on the working days in the project specifications. Weekend and holidays are excluded.
 - 2. Hourly rates include vehicle, mobile phone, laptop, and camera.
 - 3. Rates valid until 6/30/2026. Annual rate escalation is 5%.
 - 4. If/When Tasks require additional hours than allotted, hours will be billed on a Time and Materials basis.
 - 4. Construction inspection activities are subject to prevailing wage requirements.
 - 5. Per prevailing wage requirements, a shift differential is for any covered work shift beginning after 2PM.
 - 6. Time will be tracked and submitted in accordance with the tasks identified in the scope of services.
 - 7. PM will be responsible for overall management of Ghirardelli staff as well as attendance in weekly project meetings, monthly budget updates with City staff, and signing off on the final acceptance of the project.
 - 8. Resident Engineer and Assistant Resident Engineer will be responsible for review of submittals, RFIs, and maintenance of submittal log for all tasks.
 - 9. Construction inspector will be primary field inspector for the duration of the project. Assistant Resident Engineer is available for field inspection as workload dictates need for second inspector or backfill for sick days and vacation.
 - 10. This cost estimate is subject to change based on new information or the contractor's schedule.

Shasta Park Area Pavement Improvement Project

FIELD SERVICES	DAYS	HRS/DAY	HOURS	RATE	EXTENSION
Earthwork Construction					
Group 3 - Compaction Testing Technician	1	4	4	\$159.00	\$636.00
Nuclear Gauge Equipment Fee	1			\$74.00	\$74.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	1			\$35.00	\$35.00
Hot Mix Asphalt Construction					
Group 3 - Compaction Testing Technician - Digout Repair	1	8	8	\$159.00	\$1,272.00
Group 3 - Compaction Testing Technician - Type A HMA	2	8	16	\$159.00	\$2,544.00
Nuclear Gauge Equipment Fee	2			\$74.00	\$148.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	2			\$35.00	\$70.00
Microsurfacing / Chip Seal Construction					
Group 3 - Sampling and Testing	2	8	16	\$159.00	\$2,544.00
Trip Charge (Mileage, Bridge Toll, Parking Fees)	2			\$35.00	\$70.00
FIELD SERVICES ESTIMATE					\$7,393.00

LABORATORY TESTING	FREQUENCY	SETS/UNITS	RATE	EXTENSION
Soils Testing				
Compaction Curves - AB (6" Mold)	1 per material	1	\$336.00	\$336.00
Microsurfacing				
Sand Equivalent (CT 217)	1 per day	1	\$167.00	\$167.00
Sieve Analysis of Fine & Coarse Aggregate (C136)	1 per day	1	\$226.00	\$226.00
Moisture Content (AASHTO T255)	1 per day	1	\$47.00	\$47.00
Viscosity - Emulsion (AASHTO T59)	1 per day	1	\$115.00	\$115.00
Sieve test (%) (AASHTO T59)	1 per day	1	\$98.00	\$98.00
Storage Stability, 1 day (AASHTO T59)	1 per day	1	\$185.00	\$185.00
Settlement (ASTM D244)	1 per day	1	\$185.00	\$185.00
Residue by Evaporation (AASHTO T49)	1 per day	1	\$127.00	\$127.00
Penetration (AASHTO T49)	1 per day	1	\$98.00	\$98.00
Softening Point (AASHTO T53)	1 per day	1	\$127.00	\$127.00
Torsional Recovery (CT 332)	1 per day	1	\$190.00	\$190.00
Chip Seal				
Sieve Analysis of Fine & Coarse Aggregate (CT 202)	1 per day	1	\$226.00	\$226.00
Cleanliness Value (CT 227)	1 per day	1	\$238.00	\$238.00
Viscosity - Emulsion (AASHTO T59)	1 per day	1	\$115.00	\$115.00
Sieve test (%) (AASHTO T59)	1 per day	1	\$98.00	\$98.00
Storage Stability, 1 day (AASHTO T59)	1 per day	1	\$185.00	\$185.00
Residue by Evaporation (AASHTO T49)	1 per day	1	\$127.00	\$127.00
Penetration (AASHTO T49)	1 per day	1	\$98.00	\$98.00
Ductility (AASHTO T51)	1 per day	1	\$144.00	\$144.00
Elastic Recovery (AASHTO T301)	1 per day	1	\$144.00	\$144.00
HMA Testing				
Sieve Analysis - Combined Aggregate Sample (CTM 202)	1 per day	2	\$226.00	\$452.00
Sand Equivalent (CTM 217)	1 per day	2	\$167.00	\$334.00
Asphalt Binder Content (CTM 382)	1 per day	2	\$296.00	\$592.00
Superpave Ignition Oven Correction (AASHTO T308)	1 per mix	1	\$689.00	\$689.00
HMA Moisture Content (CTM 370)	1 per day	2	\$87.00	\$174.00
Theoretical Maximum Density (CTM 309)	1 per day	2	\$331.00	\$662.00
HMA Core Unit Weight/ Bulk Specific Gravity (CTM 308)	1 per 250 Tons	7	\$84.00	\$588.00
LABORATORY TESTING ESTIMATE				\$6,767.00

BSK SERVICES ADMINISTRATION		HOURS	RATE	EXTENSION
Principal (Contract / Performance Oversight)		1	\$299.00	\$299.00
Registered Engineer (Review, support and reporting)		4	\$263.00	\$1,052.00
Project Manager (Field Oversight, Daily Report Review)		4	\$263.00	\$1,052.00
Administration (Data Processing, Report Prep., Field Coordination)		3	\$105.00	\$315.00
Certified Payroll / DIR Upload	Monthly	2	\$300.00	\$600.00
ADMINISTRATION ESTIMATE				\$3,318.00
TOTAL BUDGET ESTIMATE				\$17,478.00

BSK Associates - Schedule of Fees - July 1, 2024 to June 30, 2025

PERSONNEL RATES

Escalation: The prices noted below are subject to an increase of 5% annually, effective July 1 of each year following the initiation of a services agreement.

PROFESSIONAL STAFF

Principal	\$	299.00	Seismic GIS	\$	231.00
Senior Professional	\$	263.00	GIS Specialist	\$	200.00
Project Professional II	\$	247.00	Information Specialist II	\$	189.00
Project Professional I	\$	210.00	Information Specialist I	\$	168.00
Staff Professional II	\$	184.00	CAD	\$	126.00
Staff Professional I	\$	163.00	Litigation support		1.5x standard rate
Project Administrator	\$	116.00	Deposition / Trial		2.0x standard rate
Administrative Assistant / Clerical	\$	105.00			

TECHNICAL STAFF - FIELD AND LABORATORY (NON-PREVAILING WAGE)

Non-Destructive Inspection/Testing	\$	173.00	<u>BASIS OF CHARGES FOR FIELD TECHNICIAN SERVICES</u>		
Special Inspector	\$	147.00	Field Work from 0 to 4 hours		Bill 4 hours
Engineering Technician	\$	142.00	Field Work from 4 to 8 hours		Bill 8 hours
Technician	\$	137.00	Field Work over 8 hours / Saturdays		Bill time and a half
Ground Penetrating Radar Scanning Technician	\$	331.00	Sundays, holidays and over 12 hours		Bill double time
Core Drilling Technician	\$	257.00	Night Shift (Shift commencing after 2pm / before 4am)		Base Rate x 12.5%
Floor Flatness Testing Technician	\$	221.00	Show-up time (no work performed)		Bill 2 hours
Sample Pickup / Transportation / Delivery	\$	126.00	Sampling or cylinder pickup, minimum charge		Bill 2 hours
Laboratory Technician	\$	137.00			

NORTHERN CA PREVAILING WAGE LABOR RATES

Group 1 - Special inspector	\$	189.00	<u>BASIS OF CHARGES FOR FIELD TECHNICIAN SERVICES</u>		
Group 2 - Special Inspector	\$	179.00	Field Work from 0 to 4 hours		Bill 4 hours
Group 3 - Engineering Technician	\$	159.00	Field Work from 4 to 8 hours		Bill 8 hours
Group 3 - Geotechnical Professional	\$	194.00	Field Work over 8 hours / Saturdays		Bill time and a half
Group 3 - Environmental Professional	\$	194.00	Sundays, holidays and over 12 hours		Bill double time
Group 4 - Technician	\$	139.00	Night Shift (Shift commencing after 2pm / before 4am)		Base Rate x 12.5%
			Show-up time (no work performed)		Bill 2 hours
			Sampling or cylinder pickup, minimum charge		Bill 2 hours

SOUTHERN CA PREVAILING WAGE LABOR RATES

Group 1 - Geotechnical Professional	\$	196.00	<u>BASIS OF CHARGES FOR FIELD TECHNICIAN SERVICES</u>		
Group 1 - Environmental Professional	\$	196.00	Field Work from 0 to 4 hours		Bill 4 hours
Group 1 - Technician	\$	169.00	Field Work from 4 to 8 hours		Bill 8 hours
Group 2 - Special Inspector	\$	179.00	Field Work over 8 hours / Saturdays		Bill time and a half
Group 3 - Non-Destructive Testing (NDT)	\$	189.00	Sundays, holidays and over 12 hours		Bill double time
			Premium Shift (Weekday work before 6am / after 5pm)		Bill time and a half
			Show-up time (no work performed)		Bill 2 hours
			Sampling or cylinder pickup, minimum charge		Bill 2 hours

REIMBURSABLES

Project Administration Fees	7% of Invoice	DIR Administration Fees	3% of Invoice
Mileage - 2x4 (Portal to Portal)	\$ 1.00	Certified Payroll / DIR Upload (Monthly)	\$ 300.00
Mileage - 4x4 (Portal to Portal)	\$ 2.00	Non-Performance Certified Payroll / DIR Upload (Monthly)	\$ 100.00
Bridge Toll	Cost + 15%	Subcontractor Management / Compliance Forms (Monthly)	\$ 100.00
Parking Fees	Cost + 15%	Additional LCP Tracker or Other Compliance Software (Monthly)	\$ 200.00
Per Diem (as required)	Quote / \$250 min.	Additional Special Forms, as required (Monthly)	\$ 150.00
Subconsultant Services	Cost + 15%	Project Setup (Project)	\$ 550.00

BSK Associates - Schedule of Fees - July 1, 2024 to June 30, 2025

SOFTWARE AND EQUIPMENT

Escalation: The prices noted below are subject to an increase of 5% annually, effective July 1 of each year following the initiation of a services agreement.

ANALYSIS SOFTWARE USAGE FEES			
gINT (software)	\$ 68.00	Slide (software)	\$ 133.00
LPI (software)	\$ 68.00	Settle3D (software)	\$ 133.00
API (software)	\$ 68.00	Cpet-IT (software)	\$ 68.00
SHAFT (software)	\$ 68.00	LiqSVs (software)	\$ 68.00
GROUP (software)	\$ 133.00	ArcGIS (software)	\$ 68.00
Cliq (software)	\$ 68.00	Surfer (software)	\$ 68.00
LiquefyPro (software)	\$ 68.00	Seep/W (software)	\$ 133.00
LiqIT (software)	\$ 68.00		

EQUIPMENT			
Nuclear Gauge (Day)	\$ 74.00	10' PVC Blank - 2" (Each)	\$ 28.00
Skidmore Wilhelm Calibrator (Day)	\$ 74.00	10' PVC Blank - 4" (Each)	\$ 65.00
NDT Weld Testing Equipment - UT/MT/PT (Day)	\$ 74.00	10' PVC Screen - 2" (Each)	\$ 44.00
Proof Load Testing Equipment (Day)	\$ 74.00	10' PVC Screen - 4" (Each)	\$ 88.00
Torque Wrench (Day)	\$ 74.00	5' PVC Blank - 2" (Each)	\$ 19.00
GPR Scanning Equipment (Day)	\$ 341.00	5' PVC Blank - 4" (Each)	\$ 56.00
Rebar Locator/Pachometer (Day)	\$ 134.00	5' PVC Screen - 2" (Each)	\$ 28.00
Coring Equipment (day)	\$ 252.00	5' PVC Screen - 4" (Each)	\$ 72.00
Relative Humidity Meter (Day)	\$ 74.00	55 Gallon Drum (Each)	\$ 131.00
Moisture Emission Test Kit (Each)	\$ 50.00	6 "x 5' Steel Monument Cover (Each)	\$ 310.00
Wood Moisture Meter (Day)	\$ 74.00	Air Indicators (Each)	\$ 56.00
Air Meter (Concrete)	\$ 74.00	Combustible Gas Indicator (Day)	\$ 83.00
Laptop (Day)	\$ 79.00	Disposable Bailer (Each)	\$ 15.00
Document Scanner (Day)	\$ 34.00	HydroPunch Tip (Each)	\$ 26.00
Vehicle/Truck Charge (Day)	\$ 144.00	Lantec GEM 500 (Day)	\$ 271.00
Hand Auger (Day)	\$ 158.00	Locking Cap - 2" (Each)	\$ 26.00
Seismograph (Day)	\$ 333.00	Locking Cap - 4" (Each)	\$ 53.00
Hand-held GPS (Day)	\$ 102.00	Silicone Tubing (Foot)	\$ 9.00
Slope Inclinator Probe (Each)	\$ 525.00	Tedlar Vapor Bags (Each)	\$ 32.00
Double Ring Infiltrator (Day)	\$ 158.00	Bottom Cap (Each)	\$ 11.00
Drilling Kit - Paint/Stakes/Lath (Each)	\$ 36.00	Disposable Purge Pump Tubing (Foot)	\$ 2.00
Drilling Supplies (Tubes / Caps)	\$ 368.00	Bison Resistivity Meter (Day)	\$ 213.00
Sample Sleeve w/ Caps/Teflon 6" (Each)	\$ 14.00	Chem Grout Pump (Day)	\$ 139.00
Manometer (Day)	\$ 259.00	DC Purge Pump (Day)	\$ 70.00
Generator	\$ 110.00	Development Pump and Controller (Day)	\$ 97.00
Power Auger	\$ 110.00	Dissolved Oxygen Meter (Day)	\$ 84.00
AC Cold Patch (Each)	\$ 20.00	Grundfos Converter (Day)	\$ 93.00
Bentonite Grout (Bag)	\$ 28.00	HydroPunch II (Each)	\$ 333.00
Bentonite Medium Chips (Bag)	\$ 26.00	Interface Meter (Each)	\$ 125.00
Bentonite Pellets (Bucket / Bag)	\$ 198.00	Kemmer Sampler (Day)	\$ 48.00
Bentonite Powder (Bag)	\$ 16.00	ORP Meter (Each)	\$ 89.00
Filter Sand (Bag)	\$ 15.00	Sample Pump (Day)	\$ 133.00
Portland Cement (Bag)	\$ 20.00	Scanning Equipment (Day)	\$ 134.00
Ready Mix (Bag)	\$ 19.00	Water Level Data Logger (Day)	\$ 103.00
Padlocks (Each)	\$ 28.00	Telescopic Wastewater Sampler (Day)	\$ 70.00
pH/EC/Temperature Meter (Day)	\$ 79.00	SVE System (Month)	\$1,470.00
PID/OVA (Day)	\$ 158.00	Combustible Gas Meter (Day)	\$ 252.00
Steam Cleaner (Day)	\$ 146.00	Water Meter (Day)	\$ 68.00
Turbidity Kit (Day)	\$ 89.00	Flow Monitoring Equipment (Day)	\$ 408.00
Water Sample Filters (Each)	\$ 29.00	Liquid Proportional Sampling Equipment (Day)	\$ 414.00
Well Sounder (Day)	\$ 63.00	Gas Detector Pump (Each)	\$ 48.00
Well Vault Traffic Rated Box (Each)	\$ 146.00	Landfill Gas Chromatograph (Day)	\$ 273.00
Bollards (Each)	\$ 125.00	Support Truck (Day)	\$ 273.00
Air Compressor (Day)	\$ 74.00	Sound Level Meter (Each)	\$ 43.00
Continuous Core Sampler (Day)	\$ 341.00	Water Level Transducers (Each)	\$ 16.00
4" Disposable Bailleurs (Each)	\$ 26.00	Multiparameter Env Water Meter (Day)	\$ 179.00

BSK Associates - Schedule of Fees - July 1, 2024 to June 30, 2025

MATERIALS LABORATORY TESTS

Escalation: The prices noted below are subject to an increase of 5% annually, effective July 1 of each year following the initiation of a services agreement.
Standard Rate Applies to Normal Testing Schedule. Rush Order Turnaround Time Charged at 1.5 x Standard Unit Rates.

SOILS & AGGREGATES

Modified or Standard Proctor - 4" or 6" Mold (ASTM / AASHTO)	\$ 336.00	% Crushed Particles / Fractured Particles (CT 205/AASHTO T335)	\$ 218.00
Proctor with Oversize Material (ASTM / AASHTO)	\$ 420.00	% Flat & Elongated (ASTM D4791)	\$ 167.00
Proctor Check Point (All Methods)	\$ 180.00	Minus 200 Wash/Aggregate (ASTM C117)	\$ 110.00
Caltrans Maximum Wet Density (CT 216)	\$ 284.00	Sieve Analysis w/ Wash (ASTM C136 / CT 202 / AASHTO T27)	\$ 226.00
Minus 200 Wash Soil (ASTM D1140)	\$ 110.00	Sieve Analysis - Coarse Only (ASTM C136 / CT 202 / AASHTO T27)	\$ 110.00
Moisture Content of Soils (ASTM D2216)	\$ 47.00	Coarse Specific Gravity / Absorption (ASTM C127/CT 206/AASHTO T85)	\$ 210.00
Plasticity Index (ASTM D4318)	\$ 290.00	Fine Specific Gravity / Absorption (ASTM C128/CT 207/AASHTO T84)	\$ 210.00
Expansion Index of Soils (UBC No. 29)	\$ 311.00	Sand Equivalent (ASTM D2419 / CT 217 / AASHTO T176)	\$ 167.00
Collapse Potential of Soils (ASTM D2435)	\$ 270.00	Durability Index (CT 229)	\$ 331.00
Organic Impurities (ASTM C40 / CT 213)	\$ 110.00	Abrasion by LA Rattler, Large Size (ASTM C131/CT 211/AASHTO T96)	\$ 378.00
Tube Density & Moisture Content of Soil (ASTM D2216, D)	\$ 57.00	Abrasion by LA Rattler, Small Size (ASTM C131/CT 211/AASHTO T96)	\$ 311.00
Visual Classification (ASTM D2488)	\$ 57.00	Cleanliness Value of Aggregate (CT 227)	\$ 238.00
Hydrometer (ASTM D422 / CT 203)	\$ 315.00	Aggregate Wt pcf Compacted (ASTM C 29)	\$ 117.00
Double Hydrometer (ASTM D4221)	\$ 414.00	Gradation-Rip Rap - Per Sieve (D5519-Method A)	\$ 298.00
Uncompacted Void Content (CT 234 / AASHTO T304)	\$ 147.00	Sodium Sulfate Soundness-Min. Charge (ASTM C88/CT 214/AASHTO T104)	\$ 462.00
Sand Density Calibration (ASTM D1566)	\$ 231.00	Sodium Sulfate Soundness-Per Sieve (ASTM C88/CT 214/AASHTO T104)	\$ 147.00
Minimum Resistivity of Soils (CT 643)	\$ 186.00	R-Value of Soils (CT 301)	\$ 473.00
Consolidation (ASTM D2435) w/ 2 Time Rates	\$ 553.00	Soil Cement Compression - Set (ASTM D1633)	\$ 315.00
Consolidation (ASTM D2435) w/ No Time Rates	\$ 368.00	CIR / FDR Compressive Strength Testing - Set	\$ 315.00
Unconfined Compressive Strength, Soil (ASTM D2166)	\$ 147.00	CIR / FDR Sample Preparation / Compaction	\$ 289.00
Remolded Consolidation (ASTM D2435)	\$ 468.00	CBR (ASTM D1883/AASHTO T-180)	\$1,313.00
Minimum Index Density Soils (ASTM D4254)	\$ 91.00	Preparation of Soil-Cement Samples	\$ 994.00
Direct Shear Remolded (ASTM D3080)	\$ 347.00	Soluble Sulfate Chloride & Sulfide	\$ 172.00
Direct Shear (ASTM D3080)	\$ 290.00	pH Sulfate & Chloride	\$ 87.00
Remolded Direct Shear (ASTM D3080)	\$ 347.00	% Lumps/Friable Particles (ASTM C142)	\$ 107.00
Remolded Flexwall Perm (ASTM D5084)	\$ 739.00	% Organics in Soil (ASTM D2974)	\$ 181.00

HOT MIX ASPHALT

JMF Mix Design, Superpave / Caltrans	\$11,838.00	Bitumen Content - Ignition (ASTM D6307 / CT382 / AASHTO T308)	\$ 296.00
JMF Verification - HMA - Superpave / Caltrans	\$6,860.00	Oil Content Correction Factor (ASTM D6307 / CT 382 / AASHTO T308)	\$ 689.00
JMF Production Startup - Superpave / Caltrans	\$6,382.00	Gradation from Extraction (ASTM D5444 / AASHTO T30)	\$ 180.00
RAP Material Testing - Additional Fee	\$ 830.00	Bulk Specific Gravity (CT308 / AASHTO T275 / ASTM D2726)	\$ 84.00
Rubberized RHMA Material - Additional Fee	\$1,915.00	HMA Theo. Max Density Rice Method (ASTM D2041 / CT 309 / AASHTO T204)	\$ 331.00
JMF Mix Design, HVEEM	\$4,095.00	Volumetric Calculations (VMA, VFA, DP, AV, Eff. Calcs)	\$ 70.00
JMF Mix Design, Marshall	\$4,858.00	Moisture Content of Asphalt (CT 370 / AASHTO T329)	\$ 87.00
Open Graded Asphalt Optimum Bitumen Content (CT 368)	\$2,924.00	Film Stripping	\$ 117.00
Gyratory Compaction - Set of 3 (AASHTO T312)	\$ 442.00	Compaction/Preparation of HMA Briquette (CT 304)	\$ 290.00
Hamburg Wheel Track (AASHTO T324)	\$2,625.00	Stabilometer Value - Set of 3 (CT366)	\$ 368.00
Tensile Strength Ratio (CT 371 / AASHTO T283)	\$1,449.00	Lab Mixed TSR - Moisture Induced Damage (AASHTO T283 / CT 371)	\$1,943.00
Marshall Maximum Density (ASTM D6926)	\$ 386.00	Calculated AC Maximum Density (CT 367)	\$ 131.00
Marshall Stability & Flow (ASTM D6927)	\$ 331.00	Thickness Determination of AC Cores	\$ 28.00

CONCRETE & MASONRY

Compression Test Concrete - Per Cylinder (ASTM C39)	\$ 37.00	Flexural Test per Beam (ASTM C78 / CT 523)	\$ 118.00
Compression Test Concrete - Set of 4/5 (ASTM C39)	\$ 180.00	Linear Shrinkage - Set of 3 (ASTM C157)	\$ 525.00
Compression Test of Core (ASTM C42)	\$ 80.00	Unit Weight Lt Wt Concrete (ASTM C567)	\$ 74.00
Compressive Strength of Shotcrete Panel	\$ 420.00	Splitting Tensile Strength of Concrete (ASTM C496)	\$ 158.00
Compression Test Composite CMU Prism (1)	\$ 218.00	Compressive Strength CMU Block (ASTM C140)	\$ 252.00
Compression Test Grout (Set of 4)	\$ 159.00	Comp. Strength, SG, & Abs. of CMU - Per Block (ASTM C140)	\$ 290.00
Compression Test Mortar (Set of 3)	\$ 145.00	Masonry Linear Shrinkage (ASTM C426)	\$ 532.00
		Masonry Core Shear Test (Title 24)	\$ 248.00

METALS & FIREPROOFING

Tensile & Bend of Rebar #3-11	\$ 195.00	Brinell Hardness of Steel (ASTM E10)	\$ 131.00
Slip and Tensile Rebar Couplers (CT 670)	\$ 284.00	Rockwell Hardness of Steel (ASTM E18)	\$ 131.00
Bolt Proof & Ultimate Load	\$ 187.00	Face Bend of Steel Coupon	\$ 80.00
Bolt Hardness - Set of 3	\$ 131.00	Root Bend of Weld Coupon	\$ 80.00
Nut Proof Load - Set of 3	\$ 187.00	Side Bend of Weld Coupon	\$ 80.00
Nut Hardness - Set of 3	\$ 131.00	Tensile Test of Steel Coupon	\$ 110.00
Washer Hardness - Set of 3	\$ 131.00	Bend Test of Steel Coupon	\$ 95.00
Dry Density Fireproofing (ASTM E605)	\$ 125.00	Adhesion / Cohesion Fireproofing Materials	\$ 167.00


AFS Ghirardelli for Shasta - Manteca Contract

Final Audit Report

2025-08-11

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By:	Lawrence Maniti (lmaniti@ghirardelliassoc.com)
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2025-08-11 - 10:48:04 PM GMT- IP address: 98.37.45.25
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