

AGREEMENT FOR PROFESSIONAL SERVICES

Willdan Engineering

Engineering Plan Check Services

This Agreement for Professional Services (the "Agreement") is made and entered into as of June 23, 2020, by and between the City of Lake Elsinore, a municipal corporation ("City") and Willdan Engineering, Inc., a Corporation ("Consultant").

RECITALS

A. The City has determined that it requires the following professional services:

Engineering plan check services as part of the development process.

B. Consultant has submitted to City a proposal, dated June 1, 2020, attached hereto as Exhibit A ("Consultant's Proposal") and incorporated herein, to provide professional services to City pursuant to the terms of this Agreement.

C. Consultant possesses the skill, experience, ability, background, certification and knowledge to perform the services described in this Agreement on the terms and conditions described herein.

D. City desires to retain Consultant to perform the services as provided herein and Consultant desires to provide such professional services as set forth in this Agreement.

AGREEMENT

1. Scope of Services. Consultant shall perform the services described in Consultant's Proposal (Exhibit A). Consultant shall provide such services at the time, place, and in the manner specified in Consultant's Proposal, subject to the direction of the City through its staff that it may provide from time to time.

2. Time of Performance.

a. Time of Essence. Time is of the essence in the performance of this Agreement. The time for completion of the professional services to be performed by Consultant is an essential condition of this Agreement. Consultant shall prosecute regularly and diligently the professional services contemplated pursuant to this Agreement according to the agreed upon performance schedule in Consultant's Proposal (Exhibit A).

b. Performance Schedule. Consultant shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in the Consultant's Proposal (Exhibit A). When requested by Consultant, extensions to the time period(s) specified may be approved in writing by the City Manager.

c. Term. Unless earlier terminated as provided elsewhere in this Agreement, this Agreement shall continue in full force and effect for a period commencing on July 1, 2020 and

ending June 30, 2023. The City may, at its sole discretion, extend the term of this Agreement on a 12-month basis not to exceed 2 additional twelve (12) month renewal terms by giving written notice thereof to Consultant not less than thirty (30) days before the end of the contract term, such notice to be exercised by the City Manager.

3. Compensation. Compensation to be paid to Consultant shall be in accordance with the fees set forth in Consultant's Proposal (Exhibit A), which is attached hereto and incorporated herein by reference. In no event shall Consultant's annual compensation exceed One Hundred Thousand Dollars (\$100,000.00) without additional written authorization from the City. Notwithstanding any provision of Consultant's Proposal to the contrary, out of pocket expenses set forth in Exhibit A shall be reimbursed at cost without an inflator or administrative charge. Payment by City under this Agreement shall not be deemed a waiver of defects, even if such defects were known to the City at the time of payment.

4. Method of Payment. Consultant shall promptly submit billings to the City describing the services and related work performed during the preceding month to the extent that such services and related work were performed. Consultant's bills shall be segregated by project task, if applicable, such that the City receives a separate accounting for work done on each individual task for which Consultant provides services. Consultant's bills shall include a brief description of the services performed, the date the services were performed, the number of hours spent and by whom, and a description of any reimbursable expenditures. City shall pay Consultant no later than forty-five (45) days after receipt of the monthly invoice by City staff.

5. Background Checks. At any time during the term of this Agreement, the City reserves the right to make an independent investigation into the background of Consultant's personnel who perform work required by this Agreement, including but not limited to their references, character, address history, past employment, education, social security number validation, and criminal or police records, for the purpose of confirming that such personnel are lawfully employed, qualified to provide the subject service or pose a risk to the safety of persons or property in and around the vicinity of where the services will be rendered or City Hall. If the City makes a reasonable determination that any of Consultant's prospective or then current personnel is deemed objectionable, then the City may notify Consultant of the same. Consultant shall not use that personnel to perform work required by this Agreement, and if necessary, shall replace him or her with a suitable worker.

6. Suspension or Termination.

a. The City may at any time, for any reason, with or without cause, suspend or terminate this Agreement, or any portion hereof, by serving upon the Consultant at least ten (10) days prior written notice. Upon receipt of such notice, the Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends or terminates a portion of this Agreement such suspension or termination shall not make void or invalidate the remainder of this Agreement.

b. In the event this Agreement is terminated pursuant to this Section, the City shall pay to Consultant the actual value of the work performed up to the time of termination, provided that the work performed is of value to the City. Upon termination of the Agreement pursuant to this Section, the Consultant will submit an invoice to the City, pursuant to Section entitled "Method of Payment" herein.

7. Plans, Studies, Documents.

a. Ownership of Documents. All plans, studies, documents and other writings prepared by and for Consultant, its officers, employees and agents and subcontractors in the course of implementing this Agreement, except working notepad internal documents, shall become the property of the City upon payment to Consultant for such work, and the City shall have the sole right to use such materials in its discretion without further compensation to Consultant or to any other party. Consultant shall, at Consultant's expense, provide such reports, plans, studies, documents and other writings to City upon written request. City shall have sole determination of the public's rights to documents under the Public Records Act, and any third-party requests of Consultant shall be immediately referred to City, without any other actions by Consultant.

b. Licensing of Intellectual Property. This Agreement creates a nonexclusive and perpetual license for City to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents or works of authorship fixed in any tangible medium of expression, including but not limited to, physical drawings or data magnetically or otherwise recorded on computer diskettes, which are prepared or caused to be prepared by Consultant under this Agreement ("Documents & Data"). Consultant shall require that all subcontractors agree in writing that City is granted a nonexclusive and perpetual license for any Documents & Data the subcontractor prepares under this Agreement. Consultant represents and warrants that Consultant has the legal right to license any and all Documents & Data. Consultant makes no such representation and warranty in regard to Documents & Data which were prepared by design professionals other than Consultant or provided to Consultant by the City. City shall not be limited in any way in its use of the Documents & Data at any time, provided that any such use not within the purposes intended by this Agreement shall be at City's sole risk.

c. Confidentiality. All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information, and other Documents & Data either created by or provided to Consultant in connection with the performance of this Agreement shall be held confidential by Consultant. Such materials shall not, without the prior written consent of City, be used by Consultant for any purposes other than the performance of the services under this Agreement. Nor shall such materials be disclosed to any person or entity not connected with the performance of the services under this Agreement. Nothing furnished to Consultant which is otherwise known to Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia, photographs relating to project for which Consultant's services are rendered, or any publicity pertaining to the Consultant's services under this Agreement in any magazine, trade paper, newspaper, television or radio production or other similar medium without the prior written consent of City.

8. Consultant's Books and Records.

a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, and other records or documents evidencing or relating to charges for services, or expenditures and disbursements charged to City for a minimum period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant to this Agreement.

b. Consultant shall maintain all documents and records which demonstrate performance under this Agreement for a minimum period of three (3) years, or for any longer period required by law, from the date of termination or completion of this Agreement.

c. Any records or documents required to be maintained pursuant to this Agreement shall be made available for inspection or audit, at any time during regular business hours, upon written request by the City Manager, City Attorney, City Auditor or a designated representative of these officers. Copies of such documents shall be provided to the City for inspection at City Hall when it is practical to do so. Otherwise, unless an alternative is mutually agreed upon, the records shall be available at Consultant's address indicated for receipt of notices in this Agreement.

d. Where City has reason to believe that such records or documents may be lost or discarded due to dissolution, disbandment or termination of Consultant's business, City may, by written request by any of the above-named officers, require that custody of the records be given to the City and that the records and documents be maintained in City Hall. Access to such records and documents shall be granted to any party authorized by Consultant, Consultant's representatives, or Consultant's successor-in-interest.

9. Independent Contractor.

a. Consultant is and shall at all times remain as to the City a wholly independent contractor pursuant to California Labor Code Section 3353. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officers, employees, or agents shall have control over the conduct of Consultant or any of Consultant's officers, employees, or agents, except as set forth in this Agreement. Consultant shall not at any time or in any manner represent that it or any of its officers, employees, or agents are in any manner officers, employees, or agents of the City. Consultant shall not incur or have the power to incur any debt, obligation, or liability whatsoever against City, or bind City in any manner.

b. Notwithstanding any other federal, state and local laws, codes, ordinances and regulations to the contrary and except for the fees paid to Consultant as provided in the Agreement, Consultant and any of its employees, agents, and subcontractors providing service under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

10. PERS Eligibility Indemnification. In the event that Consultant or any employee, agent, or subcontractor of Consultant providing services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of City.

11. Interests of Consultant. Consultant (including principals, associates and professional employees) covenants and represents that it does not now have any investment or interest in real property and shall not acquire any interest, direct or indirect, in the area covered

by this Agreement or any other source of income, interest in real property or investment which would be affected in any manner or degree by the performance of Consultant's services hereunder. Consultant further covenants and represents that in the performance of its duties hereunder no person having any such interest shall perform any services under this Agreement.

Consultant is not a designated employee within the meaning of the Political Reform Act because Consultant:

a. will conduct research and arrive at conclusions with respect to his/her rendition of information, advice, recommendation or counsel independent of the control and direction of the City or of any City official, other than normal agreement monitoring; and

b. possesses no authority with respect to any City decision beyond rendition of information, advice, recommendation or counsel. (FPPC Reg. 18700(a)(2).)

12. Professional Ability of Consultant. City has relied upon the professional training and ability of Consultant to perform the services hereunder as a material inducement to enter into this Agreement. Consultant shall therefore provide properly skilled professional and technical personnel to perform all services under this Agreement. All work performed by Consultant under this Agreement shall be in accordance with applicable legal requirements and shall meet the standard of quality ordinarily to be expected of competent professionals in Consultant's field of expertise.

13. Compliance with Laws.

a. Consultant shall comply with all local, state and federal laws and regulations applicable to the services required hereunder, including any rule, regulation or bylaw governing the conduct or performance of Consultant and/or its employees, officers, or board members.

b. Consultant represents that it has obtained and will maintain at all times during the term of this Agreement all professional and/or business licenses, certifications and/or permits necessary for performing the services described in this Agreement, including a City business license.

14. Licenses. Consultant represents and warrants to City that it has the licenses, permits, qualifications, insurance and approvals of whatsoever nature which are legally required of Consultant to practice its profession. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement, any licenses, permits, insurance and approvals which are legally required of Consultant to practice its profession. Consultant shall maintain a City of Lake Elsinore business license.

15. Indemnity. Consultant shall indemnify, defend, and hold harmless the City and its officials, officers, employees, agents, and volunteers from and against any and all losses, liability, claims, suits, actions, damages, and causes of action arising out of any personal injury, bodily injury, loss of life, or damage to property, or any violation of any federal, state, or municipal law or ordinance, to the extent caused, in whole or in part, by the willful misconduct or negligent acts or omissions of Consultant or its employees, subcontractors, or agents, by acts for which they could be held strictly liable, or by the quality or character of their work. The foregoing obligation of Consultant shall not apply when (1) the injury, loss of life, damage to property, or violation of

law arises from the sole negligence or willful misconduct of the City or its officers, employees, agents, or volunteers and (2) the actions of Consultant or its employees, subcontractor, or agents have contributed in no part to the injury, loss of life, damage to property, or violation of law. It is understood that the duty of Consultant to indemnify and hold harmless includes the duty to defend as set forth in Section 2778 of the California Civil Code. Acceptance by City of insurance certificates and endorsements required under this Agreement does not relieve Consultant from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply to any damages or claims for damages whether or not such insurance policies shall have been determined to apply. By execution of this Agreement, Consultant acknowledges and agrees to the provisions of this Section and that it is a material element of consideration.

16. Insurance Requirements.

a. Insurance. Consultant, at Consultant's own cost and expense, shall procure and maintain, for the duration of the contract, unless modified by the City's Risk Manager, the following insurance policies.

i. Workers' Compensation Coverage. Consultant shall maintain Workers' Compensation Insurance and Employer's Liability Insurance for his/her employees in accordance with the laws of the State of California. In addition, Consultant shall require each subcontractor to similarly maintain Workers' Compensation Insurance and Employer's Liability Insurance in accordance with the laws of the State of California for all of the subcontractor's employees. Any notice of cancellation or non-renewal of all Workers' Compensation policies must be received by the City at least thirty (30) days prior to such change. The insurer shall agree to waive all rights of subrogation against City, its officers, agents, employees and volunteers for losses arising from work performed by Consultant for City. In the event that Consultant is exempt from Worker's Compensation Insurance and Employer's Liability Insurance for his/her employees in accordance with the laws of the State of California, Consultant shall submit to the City a Certificate of Exemption from Workers Compensation Insurance in a form approved by the City Attorney.

ii. General Liability Coverage. Consultant shall maintain commercial general liability insurance in an amount not less than one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If a commercial general liability insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit. Required commercial general liability coverage shall be at least as broad as Insurance Services Office Commercial General Liability occurrence form CG 0001 (ed. 11/88) or Insurance Services Office form number GL 0002 (ed. 1/73) covering comprehensive General Liability and Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability. No endorsement may be attached limiting the coverage.

iii. Automobile Liability Coverage. Consultant shall maintain automobile liability insurance covering bodily injury and property damage for all activities of the Consultant arising out of or in connection with the work to be performed under this Agreement, including coverage for owned, hired and non-owned vehicles, in an amount of not less than one million dollars (\$1,000,000) combined single limit for each occurrence. Automobile liability coverage must be at least as broad as Insurance Services Office Automobile Liability form CA 0001 (ed. 12/90) Code 1 ("any auto"). No endorsement may be attached limiting the coverage.

iv. Professional Liability Coverage. Consultant shall maintain professional errors and omissions liability insurance appropriate for Consultant's profession for protection against claims alleging negligent acts, errors or omissions which may arise from Consultant's services under this Agreement, whether such services are provided by the Consultant or by its employees, subcontractors, or sub consultants. The amount of this insurance shall not be less than one million dollars (\$1,000,000) on a claims-made annual aggregate basis, or a combined single limit per occurrence basis.

b. Endorsements. Each general liability and automobile liability insurance policy shall be with insurers possessing a Best's rating of no less than A:VII and shall be endorsed with the following specific language:

i. Notwithstanding any inconsistent statement in any required insurance policies or any subsequent endorsements attached thereto, the protection offered by all policies, except for Workers' Compensation, shall bear an endorsement whereby it is provided that, the City and its officers, employees, servants, volunteers and agents and independent contractors, including without limitation, the City Manager and City Attorney, are named as additional insureds. Additional insureds shall be entitled to the full benefit of all insurance policies in the same manner and to the same extent as any other insureds and there shall be no limitation to the benefits conferred upon them other than policy limits to coverages.

ii. This policy shall be considered primary insurance as respects the City, its elected or appointed officers, officials, employees, agents and volunteers. Any insurance maintained by the City, including any self-insured retention the City may have, shall be considered excess insurance only and shall not contribute with it.

iii. This insurance shall act for each insured and additional insured as though a separate policy had been written for each, except with respect to the limits of liability of the insuring company.

iv. The insurer waives all rights of subrogation against the City, its elected or appointed officers, officials, employees or agents.

v. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its elected or appointed officers, officials, employees, agents or volunteers.

vi. The insurance provided by this Policy shall not be suspended, voided, canceled, or reduced in coverage or in limits except after thirty (30) days written notice has been received by the City.

c. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. At the City's option, Consultant shall demonstrate financial capability for payment of such deductibles or self-insured retentions.

d. Certificates of Insurance. Consultant shall provide certificates of insurance with original endorsements to City as evidence of the insurance coverage required herein. Certificates of such insurance shall be filed with the City on or before commencement of performance of this Agreement. Current certification of insurance shall be kept on file with the City at all times during the term of this Agreement.

17. Notices. Any notice required to be given under this Agreement shall be in writing and either served personally or sent prepaid, first class mail. Any such notice shall be addressed to the other party at the address set forth below. Notice shall be deemed communicated within 48 hours from the time of mailing if mailed as provided in this section.

If to City: City of Lake Elsinore
Attn: City Manager
130 South Main Street
Lake Elsinore, CA 92530

With a copy to: City of Lake Elsinore
Attn: City Clerk
130 South Main Street
Lake Elsinore, CA 92530

If to Consultant: Willdan Engineering
Attn: Vanessa Muñoz, PE, TE, PTOE
650 E. Hospitality Lane, Suite 400
San Bernardino, CA 92408

18. Assignment and Subcontracting. The parties recognize that a substantial inducement to City for entering into this Agreement is the professional reputation, experience and competence of Consultant and the subcontractors listed in Exhibit B. Consultant shall be fully responsible to City for all acts or omissions of any subcontractors. Assignments of any or all rights, duties or obligations of the Consultant under this Agreement will be permitted only with the express consent of the City. Consultant shall not subcontract any portion of the work to be performed under this Agreement except as provided in Exhibit B without the written authorization of the City. If City consents to such subcontract, Consultant shall be fully responsible to City for all acts or omissions of those subcontractors. Nothing in this Agreement shall create any contractual relationship between City and any subcontractor nor shall it create any obligation on the part of the City to pay or to see to the payment of any monies due to any such subcontractor other than as otherwise is required by law.

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

20. Litigation Expenses and Attorneys' Fees. If either party to this Agreement commences any legal action against the other party arising out of this Agreement, the prevailing party shall be entitled to recover its reasonable litigation expenses, including court costs, expert witness fees, discovery expenses, and attorneys' fees.

21. Mediation. The parties agree to make a good faith attempt to resolve any disputes arising out of this Agreement through mediation prior to commencing litigation. The parties shall mutually agree upon the mediator and share the costs of mediation equally. If the parties are unable to agree upon a mediator, the dispute shall be submitted to JAMS or its successor in interest. JAMS shall provide the parties with the names of five 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.

22. Prohibited Interests. Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this Agreement. Further, Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the term of this Agreement, no member, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

23. Equal Opportunity Employment. Consultant represents that it is an equal opportunity employer and it shall not discriminate against any subcontractor, employee or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

24. Prevailing Wages. Consultant is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, if applicable, the Prevailing Wage Laws). It is agreed by the parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees to defend, indemnify, and hold the City, and its officials, officers, employees, agents, and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this Agreement.

25. 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.

26. Controlling Law Venue. This Agreement and all matters relating to it shall be governed by the laws of the State of California and any action brought relating to this Agreement shall be held exclusively in a state court in the County of Riverside.

27. Authority to Enter Agreement. Consultant has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to

make this Agreement and to bind each respective party. The City Manager is authorized to enter into an amendment or otherwise take action on behalf of the City to make the following modifications to the Agreement: (a) a name change; (b) grant extensions of time; (c) non-monetary changes in the scope of services; and/or (d) suspend or terminate the Agreement.

28. Counterparts. 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 hereof shall have been signed by both parties hereto. In approving this Agreement, it shall not be necessary to produce or account for more than one such counterpart.

29. Entire Agreement; Incorporation; Conflict. This Agreement contains the entire understanding between the parties relating to the obligations described herein. All prior or contemporaneous understandings, agreements, representations and statements, oral or written, are superseded in total by this Agreement and shall be of no further force or effect. Consultant's Proposal is incorporated only for the description of the scope of services and/or the schedule of performance and no other terms and conditions from such proposal shall apply to this Agreement unless specifically agreed to in writing. In the event of conflict, this Agreement shall take precedence over those contained in the Consultant's Proposal.

30. Amendments. This Agreement may be modified or amended only by a written document executed by both Consultant and City and approved as to form by the City Attorney.

[Signatures on next page]

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed on the date first written above.

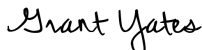
"CITY"

CITY OF LAKE ELSINORE, a municipal corporation

"CONSULTANT"

Willdan Engineering, a

DocuSigned by:



7/13/2020 | 10:27 AM PDT


Grant Yates, City Manager

DocuSigned by:



7/13/2020 | 10:27 AM PDT

By: Vanessa Muñoz, PE, TE, PTOE

Its: Vice President/Director of Engineering

ATTEST:

DocuSigned by:



7/13/2020 | 10:27 AM PDT


City Clerk

APPROVED AS TO FORM:

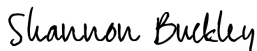
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7/13/2020 | 10:27 AM PDT


City Attorney

DocuSigned by:



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Risk Manager

Attachments: Exhibit A – Consultant's Proposal
Exhibit B – List of Subcontractors

EXHIBIT A
CONSULTANT'S PROPOSAL
[ATTACHED]

City of Lake Elsinore

Engineering Department

Request for Qualifications for

Plan Check Services

June 1, 2020





Cover Letter

June 1, 2020

City of Lake Elsinore
Engineering Department
130 South Main Street
Lake Elsinore, California 92530

Subject: Request for Qualifications for Plan Check Services for Engineering Department

The City of Lake Elsinore is seeking qualified consultants to provide professional as-needed plan check services. **Willdan Engineering (Willdan)** is fully confident that we can successfully provide the requested professional engineering plan check services as a valuable resource to help augment City staff in accomplishing the City's goals and needs. Throughout this proposal, we have demonstrated advantages the Willdan team brings to the range of services requested and how the City can benefit from having us as its' supporting consultant. Willdan can assist the City with various engineering review support and design services including, but not limited to the following:



The following strengths are what sets us apart from the competition and makes us the best-qualified support team for the City.



Knowledge of the City. Willdan has provided professional services to the City of Lake Elsinore on various projects since 2013. The services include plan check, HSIP Cycle 7 application review, financial compliance, and financial consulting services. For this reason, we have an established working relationship with City staff and a familiarity with City procedures and requirements. Our knowledge of the City will enable us to initiate work quickly and to respond appropriately to issues that arise during the course of this contract.



Understanding of City Plan Checking Services. Willdan's plan checking applies City, state and federal guidelines, particularly the California Subdivision Map Act, NPDES and Low Impact Development requirements and general compliance with City Standards, Ordinances and Regulations. Our staff of experts will stamp and wet sign the approval of engineering documents/plans/maps for accuracy and adequacy and will submit an approval letter stating the same. Open communication is one of the most important elements to the success of a plan check. Willdan will always perform all necessary correspondence and coordination with City Staff to ensure the plan check is completed in a timely manner.



Highly Skilled Project Manager. Mr. Ron Stein has 8 years of experience in land development design and plan check services and presently serves as Project Manager for a similar assignment with the County of Orange and the City of La Quinta. He has led land development engineering teams engaged in the design of projects encompassing all aspects of the City's scope of work, conducting meticulous QA/QC plan reviews that quality products that adhered to all local agency standards. Mr. Stein's experience in the design and construction of private and public works projects will add tremendous value to the City's plan review process from the perspective of constructability and value engineering.



Industry Leader in Electronic Plan Review. Willdan is known throughout the industry as a leader in electronic plan review. Willdan developed an electronic plan review system more than 15 years ago and has remained on the forefront of electronic plan review software usage. We are proficient in the use of Bluebeam and other software programs.



Quick Turnaround Times. Willdan has a reputation of providing quality and accurate plan review in a timely manner. We understand that time is of critical importance to the City and to the development community. We are dedicated to meeting standard and “fast track” turnaround deadlines.



No Learning Curve. Willdan has been providing services to local agencies in Riverside, San Bernardino, Los Angeles, and Orange Counties for more than 56-years. Our staff has hands-on working knowledge and direct experience implementing County and City standards. Willdan has extensive experience providing a complete range of professional services to local agencies on both on-call and project specific bases.



No Conflict of Interest. Willdan is dedicated to providing professional engineering services to public agencies. We are prepared to function as an agent of the City and will not prepare improvement plans or studies for development projects within the City.

Willdan confirms that this submittal will remain valid for 90 days from the date of the proposal due date.

We appreciate the opportunity to submit this proposal and look forward to discussing our proposal with you and your staff. The primary individual authorized to sign and negotiate a contract for these services is Ms. Vanessa Muñoz, PE, TE, PTO, Director of Engineering, located at 650 E. Hospitality Lane, Suite, 400, San Bernardino, CA 92408, Telephone (562) 368-4848 and email vmunoz@willdan.com.

Respectfully submitted,

WILLDAN GROUP INC.

Vanessa Muñoz, PE, TE, PTOE
Vice President/Director of Engineering



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 Engineering Plan Check Fee Schedule 44

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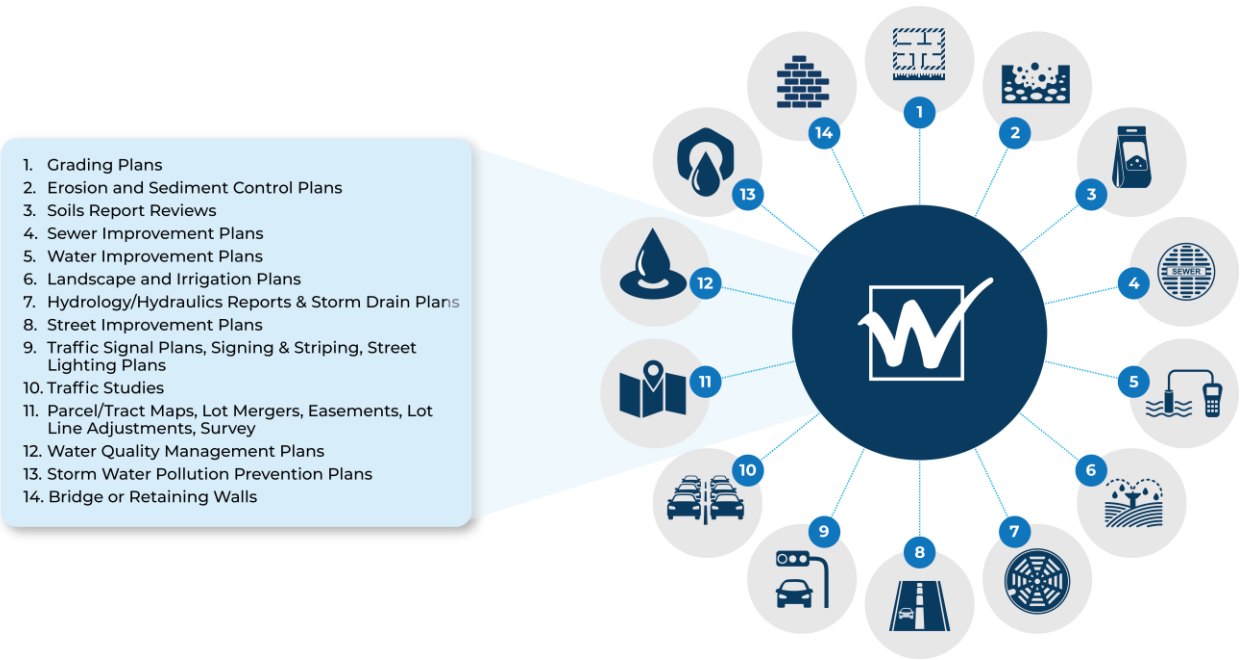
Description of Services

Willdan understands that the City of Lake Elsinore seeks proposals from qualified consultants to provide the City with On-Call Plan Checking services. Plan checking services will be provided on engineering plans and studies that are submitted for review by the development community. The City desires to partner with a firm that can provide the requested services in a complete and timely manner. Through our 56 years of providing plan check services, Willdan has developed an unmatched knowledge of the services that are required of a plan check consultant. Our understanding is discussed further as follows:

Plan Checking Expertise

Through Willdan’s previous plan review contract with the City, we have developed knowledge of the city’s practices, policies and procedures. Improvement plan checking will include the review of plans submitted for subdivision (residential) improvements, commercial developments, and infrastructure improvements. The plans shall be reviewed for conformance with local and other applicable (County, State and Federal) ordinances and standards with a strict attention to details. Documents will be reviewed for conformance with City of Lake Elsinore standards, Standard Plans for Public Works Construction, Caltrans Standard Plans, Caltrans Highway Design Manual, and other standards relevant to the project.

Willdan can assist the City with various engineering review support and design services including, but not limited to the following:



Willdan's staff size, breadth of experience and collaborative approach among our team members will enable us to review all submittals of the anticipated plan sets in the desired turnaround time frame if not sooner. Our staff, many of whom have experience as former public agency staff and management understands the uniqueness of public agency needs and issues; they serve as city engineers, planning directors, traffic engineers, building officials, and public agency staff members on a contract basis for numerous cities and counties. The diversity of our staff's experience is an added value of our services.



Willdan has been providing services to local agencies in Southern California for 56 years. Our staff has hands-on working knowledge and direct experience implementing City and Riverside County standards. We have developed a well-coordinated review process, including a plan check tracking and reporting system and specific discipline review checklists, to provide the City with timely, cost-effective service.

On-Call Contract Expertise

On-call engineering services are Willdan's foundation. Our staff includes former public agency employees or contract agency staff. Therefore, we understand the importance and purpose of on-call contracts and are very familiar with the processes and procedures for such services. Within the last 8 years, Willdan has completed projects and task orders for more than 200 as-needed/on-call contracts. This experience and the relevant experience of our dedicated and available key personnel are what best suits Willdan to provide the City with on-call services.

Our history of working with on-call contracts has well prepared our staff to respond to all requests for services in a positive, efficient manner. Our firm's commitment to responsive service and successful project delivery has given us a reputation as a firm that can be trusted to listen and to deliver a product our clients envision and embrace.

We begin our approach by adhering to these principles:

- Conduct business with truthfulness and high ethical standards
- Approach each project with a spirit of resourcefulness and excellence
- Seek appropriate solutions that fit the project
- Maintain high standards of technical quality



Willdan understands the unique aspect of working under an on-call contract. Success in working with this type of contract is dependent upon understanding a variety of elements that may be encountered, such as:

- Short project durations and minimal lead times for assignments may be required
- Flexibility in service assignments, understanding work to date, and coordinating completion of project tasks already started by agency staff in crucial projects
- Availability of our staff to the work assignment as it develops is often critical to moving that project forward



City of Lake Elsinore

- Efficient use of resources is important for project assignments that are relatively small
- Consistent, organized project management is vital due to the potentially large numbers of projects that may be in process
- Special attention to quality assurance and quality control is particularly important as short-term projects may limit the number of interim review steps often associated with a project-specific contract

Other Services

We understand that in addition to plan checking service the City may request additional services to be provided. Willdan's experience in serving public agencies provides us with unmatched knowledge of the needs and services required by City departments. As we serve directly in City offices, we are keenly aware of how City CIP and design projects are planned, designed, and constructed. The services that we provide to clients on a routine basis include Civil Engineering, Traffic Engineering, Survey/Mapping/Right-of-Way Engineering, Structural Engineering, Pavement Engineering, Stormwater Engineering, Geotechnical Engineering, Landscape Architecture, Construction Management/Inspection, Utility Coordination and Permitting, Environmental Compliance and Permitting, Grant Funding, and Labor Compliance Management and Oversight. These are the core services that we provide on a daily basis to our clients and are prepared to offer them to the City of Lake Elsinore.

Scope of Services

The following is a sample of the scope of work that may be required with each specific project assignment. This is intended only as a guide.

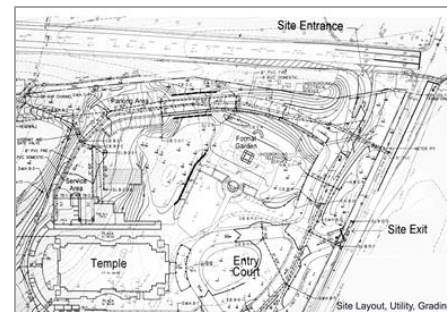
Grading and Drainage Plans



Willdan will perform grading and site accessibility plan review for projects constructed in the City for conformance with City codes and ordinances, including the City grading code and manual,

California Building Codes related to site accessibility, or consistent with the City's Drainage design policies.

Willdan's staff assigned to City projects has a thorough knowledge of civil engineering principles and practices and site improvement design requirements. All plan reviews are completed using City established policies and procedures and within City timeframes. Willdan's services are of the highest quality and will be provided in a timely and professional manner. Our grading plan review will be consistent with Willdan plan review quality guidelines. We will utilize the City's grading plan checklist and mark up plans. Willdan will ensure plans meet all applicable codes and ordinances upon completion of plan reviews, evaluation of the engineers cost estimate, and final recommendation on bond amount and permit fees.



Erosion and Sediment Control Plans



Willdan will review associated erosion and sediment control plans in accordance with City, County and State Regional Water Quality Control

Board requirements. The best management practices during construction will be reviewed for compliance and appropriateness for the proposed project improvements. Willdan staff has experience with preparation of erosion and sediment control plans for the associated grading and drainage improvement plans and therefore a working knowledge of the design requirements and implementation of appropriate BMPs selection and design.



Soils Report Reviews



Willdan will review geotechnical reports submitted as supporting documents for development projects. Our review will include the review of recommendations related to roadway structural section designs, trench backfill designs, and structural footing designs. As applicable, we will perform our work in general accordance with the following:

- Adequacy with respect to geotechnical and geologic conditions
- Conformance with applicable City, State and Federal laws
- Comply with the governing codes
- Conformance with City Design Manuals and City Standard Plans
- Most recently adopted Uniform Building Code and California Building Code
- 1991 Seismic Hazards Mapping Act/1972 Alquist-Priolo Earthquake Fault Zoning Act
- California Division of Mines and Geology Notes:
 - ✓ Note 41 - General Guidelines for Reviewing Geologic Reports
 - ✓ Note 42 - Guidelines to Geologic/Seismic Reports
 - ✓ Note 44 - Recommended Guidelines for Preparing Engineering Geologic Reports
 - ✓ Note 46 - Guidelines for Geologic/Seismic Considerations in Environmental Impact Reports
 - ✓ Note 48 - Checklists for the Review of Geologic/Seismic Reports for California Public Schools, Hospitals, and Essential Services Buildings
 - ✓ Note 49 - Guidelines for Evaluating the Hazard of Surface Fault Rupture
- California Division of Mines and Geology Special Publication 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California
- Southern California Earthquake Center, Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California
- ASTM guidelines relating to geology and geotechnical work have to do with laboratory testing and field procedures. All applicable ASTM guidelines will be enforced.
- State Mining and Geology Board, General Guidelines for Reviewing Geological Reports

NCEM/CES Aggressive Division Phone: (951) 733-2650 Website: www.ncem.org/aggressive/		Client:		Address:		Report No. FY16-010000	
Predictive		Mendocino Extraction		Sampled County: Los		Adaptor ID:	
Soil Report		Assigned: Not Provided		Reviewed: 04/08/2017		Completed: 04/08/2017	
File:		1 - Fawcett/O'Connell, M		Client ID: 000000		Adaptor ID:	
Sample ID: R1	Recommendations:	Line	Station	Depth	Moisture	Soil Class: Mineral	More
Line History:	1 - Fawcett/O'Connell, M	0.0	100-100	30	100	0 0 0 0 0 0	Information
Test Results (Units: %W in grav, CEC and Na in meq/100 coP, NCU in meq/100 coP)							
BM% WV CEC ESP	Ac pH P1 R1 Ca% Mg%	R1 M1	M1-A1	M1-A2	Zn1 ZnA1	Ca1 Na	ESP S&I NCU-N
0.07 0.05 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Information						
Sample ID: R2	Recommendations:	Line	Station	Depth	Moisture	Soil Class: Mineral	More
Line History:	1 - Fawcett/O'Connell, M	0.0	100-100	30	100	0 0 0 0 0 0	Information
Test Results (Units: %W in grav, CEC and Na in meq/100 coP, NCU in meq/100 coP)							
BM% WV CEC ESP	Ac pH P1 R1 Ca% Mg%	R1 M1	M1-A1	M1-A2	Zn1 ZnA1	Ca1 Na	ESP S&I NCU-N
0.07 0.05 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Information						
Sample ID: R3	Recommendations:	Line	Station	Depth	Moisture	Soil Class: Mineral	More
Line History:	1 - Fawcett/O'Connell, M	0.0	100-100	30	100	0 0 0 0 0 0	Information
Test Results (Units: %W in grav, CEC and Na in meq/100 coP, NCU in meq/100 coP)							
BM% WV CEC ESP	Ac pH P1 R1 Ca% Mg%	R1 M1	M1-A1	M1-A2	Zn1 ZnA1	Ca1 Na	ESP S&I NCU-N
0.07 0.05 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Information						



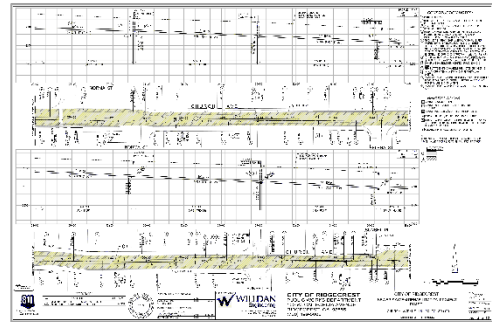
City of Lake Elsinore

Sewer Improvements Plans



Sewer Improvement Plans will be checked under the direct supervision of a registered civil engineer. Specifically, the following tasks will be performed:

- Review general notes, title block, signature block, benchmark data, quantities, unit costs, vicinity map, index map, and other general requirements.
- Check plans for compliance with general design criteria established by the City standards for underground wet utilities.
- Check to assure that plans reflect all required improvements as shown on the approved tentative map and in the subdivision resolution.
- Check data shown on plans for consistency with previously approved plans and the record map.
- Review available sewer study against the sewer improvement plans, including capacities, minimum slopes, geometry, manhole spacing, pipe size and types.
- Review proposed sewer plans for conformance with City's approved master plan of sewers.
- Review the proposed improvements for constructability; require redesign of any proposed improvement when the plans propose a situation where the improvement is not buildable, conflicts with an existing improvement, creates a public hazard or nuisance, creates a maintenance problem, creates a potentially unsafe condition, or will not function due to an inadequate level of engineering.
- Check for accuracy of design and fit with existing improvements and underground utilities.
- Point out conflicts, mistakes, inaccuracies, and omissions on the plans.
- Check stationing and alignments of the sewer improvements for agreement with the record map and record data.
- Review plans for any special conditions which could be anticipated during construction such as street closures, protection of existing utilities, etc.

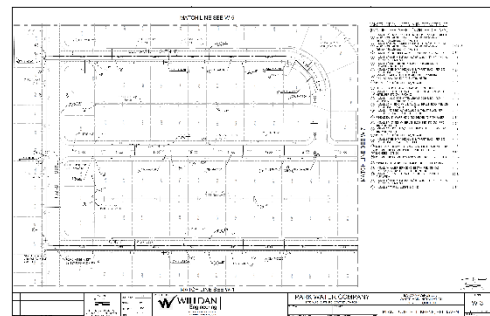


Water Improvement Plans



Water Improvement Plans will be checked under the direct supervision of a registered civil engineer. Specifically, the following tasks will be performed:

- Review general notes, title block, signature block, benchmark data, quantities, unit costs, vicinity map, index map, and other general requirements.
- Check plans for compliance with general design criteria established by the City standards underground wet utilities.
- Check to assure that plans reflect all required improvements as shown on the approved tentative map and in the subdivision resolution.
- Check data shown on plans for consistency with previously approved plans and the record map.
- Review available water service study/report against the proposed water plans.
- Review proposed water plans for conformance with City's approved master plan.

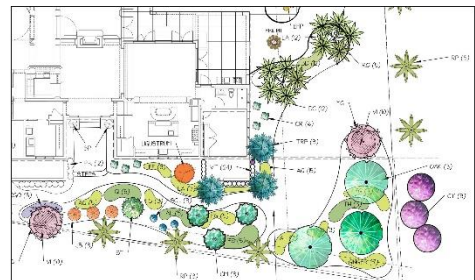


- Review the proposed improvements for constructability; require redesign of any proposed improvement when the plans propose a situation where the improvement is not buildable, conflicts with an existing improvement, creates a public hazard or nuisance, creates a maintenance problem, creates a potentially unsafe condition, or will not function due to an inadequate level of engineering.
- Check for accuracy of design and fit with existing improvements and underground utilities.
- Point out conflicts, mistakes, inaccuracies, and omissions on the plans.
- Check stationing and alignments of the waterline improvements for agreement with the record map and record data.
- Review plans for any special conditions which could be anticipated during construction such as street closures, protection of existing utilities, etc.

Landscaping and Irrigation Plans



Landscaping and Irrigations Plans will be checked under the direct supervision of a registered landscape architect. Specifically, the following tasks will be performed:



- Review for compliance with City's WELO, including all calculations and other technical information and reports
- Review for compliance with City landscape standards and design guidelines
- Review for compliance with City conditions of approval
- Review for compliance with easement documents, record maps, and right-of-way documents
- Review for impacts of drainage on downstream properties
- Review for discrepancies among other design disciplines
- Review for discrepancies between various plan sets
- Review for compliance with water purveyor standards
- Review for compliance with sound landscaping practices such as planting palette suitability and placement, irrigation design, and constructability.
- Review for compliance with site improvement grading standards - specifically water quality management
- Review for compliance with general design criteria established by the City standards.
- Review proposed improvements for conformance with City's approved master plans.
- Review the proposed improvements for constructability
- Review for accuracy of design and fit with existing improvements and underground utilities.
- Review for conflicts, mistakes, inaccuracies, and omissions on the plans.
- Review for any conflicts between the planting material and other physical features such as proposed and existing utilities, bio-swales, detention areas.
- Review design of general landscape elements such as walkways, walls and fences, lighting, water features, site furniture and recreational amenities.



City of Lake Elsinore

Hydrology/Hydraulics Reports & Storm Drain Plans



Hydrology/Hydraulics Reports and Storm Drain Plans will be checked under the direct supervision of a registered civil engineer. Specifically, the following tasks will be performed:

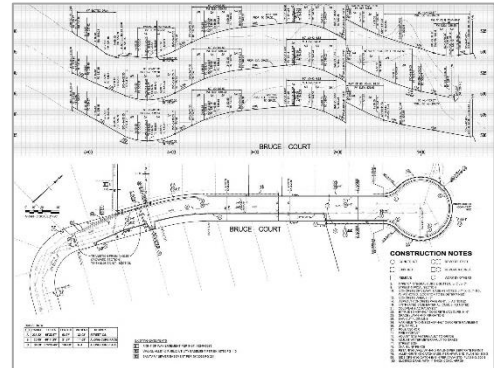
- Check H/H report for compliance with City and County standards and design guidelines.
- Check grading, street, and storm drain plans for conformance with the H/H report.
- Check H/H report for compliance with City conditions of approval and the approved tentative map.
- Check for any diversion of flows from their historic patterns.
- Check for any adverse effect of drainage on down-stream properties.
- Check various plan sets to assure no discrepancies from set to set.
- Review general notes, title block, signature block, benchmark data, quantities, unit costs, vicinity map, index map, and other general requirements.
- Check plans for compliance with general design criteria established by the City standards for streets, curbs, gutters, storm drain and flood control systems, and underground wet utilities.
- Check to assure that plans reflect all required improvements as shown on the approved tentative map and in the subdivision resolution.
- Check data shown on plans for consistency with previously approved plans and the record map.
- Review hydrology/hydraulic study against the storm drain plans, including street capacities, HGLs, velocities, inlet or outlet control, and other hydraulic factors.
- Review proposed storm drain plans for conformance with City's approved master plan of drainage.
- Review the proposed improvements for constructability; require redesign of any proposed improvement when the plans propose a situation where the improvement is not buildable, conflicts with an existing improvement, creates a public hazard or nuisance, creates a maintenance problem, creates a potentially unsafe condition, or will not function due to an inadequate level of engineering.
- Check for accuracy of design and fit with existing improvements and underground utilities.
- Point out conflicts, mistakes, inaccuracies, and omissions on the plans.
- Check stationing and alignments of the storm drain improvements for agreement with the record map and record data.
- Review plans for any special conditions which could be anticipated during construction such as street closures, protection of existing utilities, etc.

Conduit Flow Table - 1 (Current Time: 0.750 hours) (Blue gutter depth assumed)												
Label	Local	Node	Upstream	Downstream	Diameter (in)	Length (feet)	Base Slope (ft/ft)	Velocity (ft/s)	Headloss (ft)	Flow (cfs)	Ground	Invert
18 CD-3	CD-3	10 CD-3			18.0	62.00	0.004	0.81	5.24	0.00	124.81	124.81
18 CD-5	CD-5	16 CD-5			18.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-4	CD-4	20 CD-4			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-6	CD-6	20 CD-6			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-7	CD-7	20 CD-7			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-8	CD-8	20 CD-8			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-9	CD-9	20 CD-9			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-10	CD-10	20 CD-10			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-11	CD-11	20 CD-11			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-12	CD-12	20 CD-12			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-13	CD-13	20 CD-13			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-14	CD-14	20 CD-14			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-15	CD-15	20 CD-15			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-16	CD-16	20 CD-16			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-17	CD-17	20 CD-17			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-18	CD-18	20 CD-18			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-19	CD-19	20 CD-19			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-20	CD-20	20 CD-20			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-21	CD-21	20 CD-21			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-22	CD-22	20 CD-22			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-23	CD-23	20 CD-23			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-24	CD-24	20 CD-24			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-25	CD-25	20 CD-25			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-26	CD-26	20 CD-26			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-27	CD-27	20 CD-27			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
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20 CD-33	CD-33	20 CD-33			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-34	CD-34	20 CD-34			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-35	CD-35	20 CD-35			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-36	CD-36	20 CD-36			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-37	CD-37	20 CD-37			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-38	CD-38	20 CD-38			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-39	CD-39	20 CD-39			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
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20 CD-41	CD-41	20 CD-41			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-42	CD-42	20 CD-42			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
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20 CD-44	CD-44	20 CD-44			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-45	CD-45	20 CD-45			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-46	CD-46	20 CD-46			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-47	CD-47	20 CD-47			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-48	CD-48	20 CD-48			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-49	CD-49	20 CD-49			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-50	CD-50	20 CD-50			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-51	CD-51	20 CD-51			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-52	CD-52	20 CD-52			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-53	CD-53	20 CD-53			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-54	CD-54	20 CD-54			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-55	CD-55	20 CD-55			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-56	CD-56	20 CD-56			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-57	CD-57	20 CD-57			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-58	CD-58	20 CD-58			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-59	CD-59	20 CD-59			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-60	CD-60	20 CD-60			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-61	CD-61	20 CD-61			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-62	CD-62	20 CD-62			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-63	CD-63	20 CD-63			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-64	CD-64	20 CD-64			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-65	CD-65	20 CD-65			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-66	CD-66	20 CD-66			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
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20 CD-69	CD-69	20 CD-69			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-70	CD-70	20 CD-70			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-71	CD-71	20 CD-71			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-72	CD-72	20 CD-72			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-73	CD-73	20 CD-73			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-74	CD-74	20 CD-74			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-75	CD-75	20 CD-75			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-76	CD-76	20 CD-76			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-77	CD-77	20 CD-77			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-78	CD-78	20 CD-78			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-79	CD-79	20 CD-79			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-80	CD-80	20 CD-80			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-81	CD-81	20 CD-81			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-82	CD-82	20 CD-82			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-83	CD-83	20 CD-83			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-84	CD-84	20 CD-84			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-85	CD-85	20 CD-85			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-86	CD-86	20 CD-86			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-87	CD-87	20 CD-87			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-88	CD-88	20 CD-88			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-89	CD-89	20 CD-89			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-90	CD-90	20 CD-90			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-91	CD-91	20 CD-91			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-92	CD-92	20 CD-92			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-93	CD-93	20 CD-93			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-94	CD-94	20 CD-94			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-95	CD-95	20 CD-95			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-96	CD-96	20 CD-96			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-97	CD-97	20 CD-97			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-98	CD-98	20 CD-98			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-99	CD-99	20 CD-99			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71
20 CD-100	CD-100	20 CD-100			20.0	43.00	0.002	0.81	1.52	0.00	121.32	124.71

Street Improvement Plans



Street improvement plans will be checked under the direct supervision of a registered civil engineer. Improvement plan reviewing will include, but not necessarily be limited to, street and drainage plans, sewer and water plans, hydrology and hydraulic studies, preliminary drainage studies, FEMA requirements and design connections to existing systems, landscape and irrigation, bridges and structures, traffic signal, signing and striping plans, and park facilities. Specifically, the following tasks will be performed:



- Check plans for compliance with general design criteria established by the City standards for streets, curbs, gutters, sidewalks, streetlights, drive approaches, storm drain and flood control systems, underground wet utilities, traffic signals, and signing and striping.
- Check street improvement plans for compliance with City and County standards, design guidelines and check grading, street and storm drain plans for conformance with the street improvement plans.
- Check street improvement plans for compliance with City conditions of approval and the approved tentative map.
- Check street improvement plans and plans against easement documents, record maps, and right-of-way documents; determine need for permanent easements, additional right-of-way, or temporary easements.
- Check various plan sets to assure no discrepancies from set to set.
- Review general notes, title block, signature block, benchmark data, quantities, unit costs, vicinity map, index map, and other general requirements; check for Underground Service Alert note on plans.
- Check plans for compliance with general design criteria established by the City standards for streets, curbs, gutters, storm drain and flood control systems, and underground wet utilities.
- Check to assure that plans reflect all required improvements as shown on the approved tentative map and in the subdivision resolution.
- Check data shown on plans for consistency with previously approved plans and the record map.
- Review proposed street improvement plans for conformance with City's approved specific plan.
- Review the proposed improvements for constructability; require redesign of any proposed improvement when the plans propose a situation where the improvement is not buildable, conflicts with an existing improvement, creates a public hazard or nuisance, creates a maintenance problem, creates a potentially unsafe condition, or will not function due to an inadequate level of engineering.
- Check for accuracy of design and fit with existing improvements and underground utilities.
- Point out conflicts, mistakes, inaccuracies, and omissions on the plans.
- Check stationing and alignments of the street improvements for agreement with the record map and record data.
- Check horizontal and vertical sight distance based on appropriate design speed.
- Review pavement design for consistency with the recommendations of the soils engineer.
- Review hydrology/hydraulic study against the storm drain plans, including street capacities, HGLs, velocities, inlet or outlet control, and other hydraulic factors.



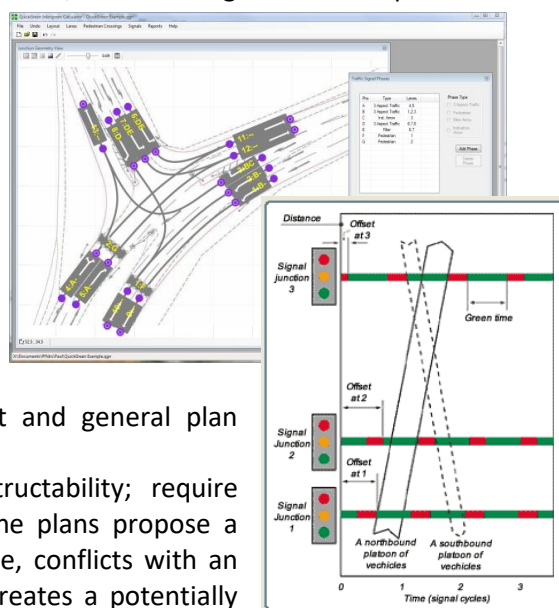
- Review plans for any special conditions, which could be anticipated during construction such as street closures, protection of existing utilities, etc.

Traffic Signal Plans, Signing & Striping, Street Lighting Plans and Construction Detour Plans



Traffic engineering design plans will be checked under the direction of a state registered Traffic Engineer. Willdan's plan review staff has the capability to review traffic design plans including but not necessarily be limited to, traffic signals, signing and striping, street lighting, temporary traffic control and construction detours, flashing beacons, EV charging stations, pedestrian and bicycle facilities, and circulation plans. As needed, Willdan's plan review staff can also review and prepare comments on documents, such as, traffic studies related to a development project. During a typical plan check review, the following tasks will be performed:

- Check design plans for compliance with general design criteria established by the City standards for traffic signals, signing and striping, and streetlights.
- Check design plans for compliance with City and/or County standards, Caltrans standard plans, and California Manual on Uniform Traffic Control Devices (CA MUTCD).
- Check design plans to ensure all improvements are shown as required by the City's conditions of approval for the proposed development project and general plan requirements.
- Review the proposed improvements for constructability; require redesign of any proposed improvement when the plans propose a situation where the improvement is not buildable, conflicts with an existing improvement, creates a public hazard, creates a potentially unsafe condition, or will not function due to an inadequate level of engineering.
- Review general notes, construction notes, and legends on all plan sheets.
- Check for accuracy of design and fit with existing improvements and underground utilities.
- Point out conflicts, mistakes, inaccuracies, and omissions on the plans.
- Check horizontal and vertical sight distance based on appropriate design speed.
- Review plans for any special conditions, which could be anticipated during construction such as street closures, protection of existing utilities, etc.
- For traffic control and detour plans, check proper placement and spacing of traffic control equipment, adequate transition and taper lengths, pedestrian and bicycle access, working hours, correct sign designations, driveway access, and turn restrictions.



Traffic Studies



Traffic studies will be checked under the direct supervision of a registered Traffic Engineer. Specifically, the following tasks will be performed:

- Review of Traffic Impact Analysis Studies
- Review of Parking Demand Studies
- Review of Traffic Circulation Studies



City of Lake Elsinore

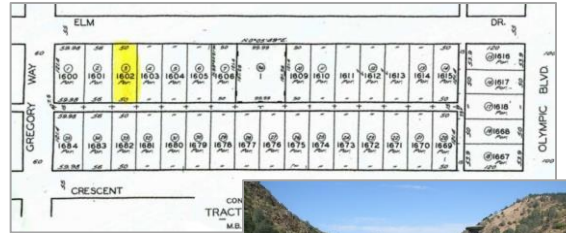
- Review of Traffic Signal Warrant Analyses
- Review of Traffic Signal Timing and Coordination Analyses
- Review of Street Lighting Photometrics
- Review of studies for conformance with Conditions of Approval
- Review for conformance between plans and studies

Parcel/Tract Maps, Lot Mergers, Easements, Lot Line Adjustments, Survey



▪ Willdan's review of easement documents, lot line adjustments, dedications, vacations, quitclaims, Parcel and Tract Maps shall be by or under the direction of a Licensed Land Surveyor to assure compliance with

applicable provisions of the Subdivision Map Act, County ordinances, and other conditions of approval and requirements. There will be detailed checks made, including, but not limited to, review of survey documentation and title reports, lot and boundary closures, dedication and easement provisions, legal descriptions, completeness, and accuracy of data notation, and necessary certifications of City and County staff. We encourage open communication between the map preparer and the checker to limit the amount of map checks. Once submitted to the City and then transmitted to us, our preference is to do all checking in BlueBeam and email back to the preparer or owner, always cc'ing the City.



- Willdan currently provides these services for about 20 cities in five Southern California counties, some on a long-term basis and some on an interim basis. Willdan is also currently performing Deputy County Surveyor services in Marin County.
- Willdan's survey department can review Condominium Plans that are submitted to the City. Our preparation of numerous Condo Plans has given us a unique understanding of various types of Condo Plans. We work with the developer and the City Attorney in such matters.
- Willdan's office staff prepares and reviews hundreds of easements each year. We can work with the developer and the City in the preparation of the front (signature) sheet of the easement document and can advise on the record-ability of the executed document.
- Willdan will sign maps in the capacity of the City Surveyor.

Water Quality Management Plans



All new development and significant redevelopment projects are required to incorporate Low Impact Development (LID) Best Management Practices to the maximum extent possible. The intent of these requirements is to reduce the discharge of pollutants to receiving waters. These are the results of federal and state regulations and provide implementation plans to protect water quality. Willdan will review the WQMP submitted by applicants to ensure compliance with the requirements.



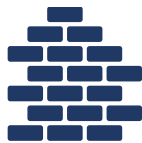
Storm Water Pollution Prevention Plans



Dischargers whose projects disturb one (1) or more acres of soil or whose projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading and disturbances to the ground such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. Willdan has several QSD/QSP staff members who are qualified to review SWPPP's if desired by the City.



Bridge or Retaining Wall Structures/Structural Calculations



Structures proposed as part of development projects that are not under the purview of the Building Permit will be reviewed. Submittals typically will include structural plans and calculations and these documents will be reviewed for conformance with the improvement plans, pertinent codes and standards.

Willdan provides complete structural engineering support for design, analysis, inspection, and evaluation of structural systems. We provide these services for a wide variety of structures encompassing transportation-related infrastructure, railroad and transit, airport facilities, industrial and commercial developments, recreational facilities, and water and wastewater utilities.

Our experienced staff performs bridge advance planning studies and analyzes and designs bridges, sound walls, retaining walls, and buildings. Willdan's team has experience working on new, replacement, or rehabilitated bridges; cofferdams; tie-back walls; demolition; falsework and form design; bridge scour plans of action; and design of work trestles and temporary bridges for construction. Our staff members have designed weirs, spillways, box culverts, lined channels, custom-designed manhole inlets, and pipe protection. In addition, our staff has in-depth knowledge of all federal, state, and local criteria and methodologies for preparing project development documents, design, construction documents, and processing design of new bridges and bridge widenings, including the latest seismic analysis and design procedures. We note that our structures staff has had tremendous success obtaining HBP grants to fund our clients' bridge improvement and replacement projects.



Current and Former Clients

Current and Past Clients/Projects in the Inland Empire

The matrix below represents a small excerpt of our recent relevant plan checking services with local government agencies within the Counties of the Inland Empire. ***Willdan has provided plan check services for over 90% of the Inland Empires' cities.*** Due to Willdan's commitment to meeting and regularly exceeding client expectations, we have served many of our local government clients for decades.

Client	Civil and Grading Plan Reviews	Subdivision Maps, Lot Merger, and Lot Line Adjustment Reviews	Drainage and Stormwater Management	Sewer/Water	Street and Improvement Plans	Traffic Signals, Signing & Striping, Street Lighting, Technical Studies	National Pollutant Discharge Elimination System Review	Low Impact Development and Erosion Control Review
Calimesa	✓	✓	✓		✓	✓		✓
Chino Hills					✓	✓		
Corona			✓		✓	✓		
Fontana	✓		✓		✓	✓		✓
Grand Terrace	✓	✓	✓		✓	✓	✓	✓
Highland	✓	✓	✓		✓	✓	✓	✓
Indian Wells		✓		✓	✓	✓		✓
Indio					✓	✓		
La Quinta	✓				✓	✓		
Lake Elsinore	✓	✓	✓	✓		✓	✓	✓
Loma Linda	✓	✓	✓	✓	✓	✓	✓	✓
Menifee	✓				✓	✓		
Norco					✓	✓		
Ontario				✓			✓	
Palm Springs	✓		✓	✓				
Redlands		✓						✓
Rialto	✓	✓	✓	✓	✓	✓		✓
San Bernardino	✓	✓		✓	✓	✓		
Temecula	✓				✓	✓		
County of Riverside	✓				✓	✓		
County San Bernardino					✓	✓		



City of Lake Elsinore

Similar Experience and References

Over the past 56-years, Willdan has provided municipal services to more than 400 municipalities, for projects involving a broad array of disciplines. The following briefly summarizes some of the firm's relevant plan check experience performed for various clients.

On-Call Plan Checking Services

City of La Quinta

78-495 Calle Tampico

La Quinta, CA 92253

Project Dates: 2019 – Present

Staff: Ron Stein, Chris Stone, Kenneth Krieger

Willdan has been providing plan and map checking services in accordance with City standards, plan review guidelines, and the City's policies on engineering services plan check processing. Under this contract, Willdan performs traditional engineering plan checking services of residential developments, commercial developments and infrastructure improvements within the City's right of way. Willdan checks and reviews the improvement plans, specifications, reports and other documents for grading, street improvements, storm drain systems, sanitary sewers, hydrology, SWPPP, WQMP, erosion and sediment control, street lighting and water facilities to ensure compliance with City standards, specifications, ordinances and policies.

Contact: Bryan McKinney, PE

City Engineer

(760) 777-7045



Improvement Plan Check Services

City of San Bernardino

300 North D Street

San Bernardino, CA 92418

Project Dates: 2013 – Present

Staff: Ron Stein, Vanessa Muñoz, David Knell, David Krommenhoek, Ross Khiabani, Mohsen Rahimian, Chris Stone, Chris Kelley, Johnny Ghazal, Kenneth Krieger, Robert Burch, Reggie Greene

Willdan is currently responsible for reviewing private developer projects spanning both on-site and off-site improvements. Review services cover Final Parcel and Tract Maps, lot line adjustments, grading & erosion control plans, storm drain plans, hydrology, water & sewer improvement plans, street improvement plans, signing & striping plans, traffic signal plans, storm water pollution prevention plans (SWPPP), and water quality management plans (WQMP).

Contact: Gary Akers, PE

Senior Civil Engineer

(909) 384-5225



Improvement Plan Check Services

County of Orange

601 North Ross Street

Santa Ana, CA 92701

Project Dates: 2013 – Present

Staff: Ron Stein, David Knell, Ross Khiabani, Tyrone Peter, Chris Kelley, Johnny Ghazal, Jeffrey Lau

Willdan is currently responsible for reviewing private developer projects spanning both on-site and off-site improvements. Review services cover Final Parcel and Tract Maps, lot line adjustments, grading & erosion control plans, storm drain plans, hydrology, water & sewer improvement plans, street improvement plans, signing & striping plans, traffic signal plans, landscape plans, storm water pollution prevention plans (SWPPP), and water quality management plans (WQMP). The County has an expedited

Contact: Bea Bea Jimenez, PE

Division Manager, Land Development

(714) 667-8800



City of Lake Elsinore

review contract for the Rancho Mission Viejo residential development with strict deadlines on a condensed schedule.

Development Review Services

City of Compton

205 South Willowbrook Avenue
Compton, California, 90220

Contact: Michael L. Antwine II

Assistant City Manager
(310) 605-5577



Project Dates: 2006 – Present

Staff: Vanessa Muñoz, David Knell, David Krommenhoek, Chris Stone, Glenn Hale, Chris Kelley, Kenneth Krieger, Joanne Itagaki, Robert Burch, Reggie Greene, Kevin Custado

Willdan provides engineering plan check services to the City of Compton. Improvement plans and technical reports are reviewed to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards adopted by the City Council. Site visits are also performed, and deficient public infrastructure items are identified.

Plan Checking Services

City of Paramount

16400 Colorado Avenue
Paramount, CA 90723

Contact: Sarah Ho

Assistant Director of Public Works
(562) 220-2020



Project Dates: 1980 – Present

Staff: Vanessa Muñoz, David Knell, David Krommenhoek, Chris Stone, Glenn Hale, Chris Kelley, Fred Wickman, Joanne Itagaki, Robert Burch, Jeffrey Lau, Reggie Greene, Kevin Custado

Willdan provides plan review services for improvement plans including street and storm drain improvements, flood control, hydrology/hydraulic reports, traffic signal, signing and striping, traffic control plans, FEMA studies, water quality management plans, storm water pollution prevention plans, and landscape improvement plans.

Plan Checking Services

City of El Monte

11333 Valley Boulevard
El Monte, CA 91731

Contact: Alan Palermo, PE

City Project Manager
(310) 717-3244



Project Dates: 2015 – Present

Staff: Vanessa Muñoz, David Knell, David Krommenhoek, Ross Khiabani, Mohsen Rahimian, Chris Stone, Glenn Hale, Chris Kelley, Kenneth Krieger, Robert Burch, Jeffrey Lau, Reggie Greene, Kevin Custado

Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development. Willdan has provided plan check services for preliminary development services including developing conditions of approval and plan checking for the off-site improvements for the Hilton Garden Inn, Ramona Resurfacing Project CIP 857, Ramona Ave 62 Condo development, Goodman Logistics Center, Ramona Boulevard Grading, TR72766



City of Lake Elsinore

Garvey. The plan check included a 1st, 2nd and 3rd plan check for grading, street, sewer, storm drain, water, signing, striping, traffic signals, geotechnical report, hydrology, SWPPP, NPDES, and map checks.

Development Review Services

City of Cerritos

18125 Bloomfield Avenue
Cerritos, CA 90703

Contact: Kanna Vancheswaran

Director of Public Works/City Engineer
(562) 916-1220



Project Dates: 2010 – Present

Staff: Vanessa Muñoz, David Knell, David Krommenhoek, Ross Khiabani, Mohsen Rahimian, Chris Stone, Chris Kelley, Kenneth Krieger, Fred Wickman, Robert Burch, Jeffrey Lau, Kevin Custado, Mona Awad

Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development.

Mall Plan Check Services

City of Manhattan Beach

1400 Highland Avenue
Manhattan Beach, CA 90266

Contact: Michael Guerrero

Principal Civil Engineer
(310) 802-5355



Project Dates: 2016 – Present

Staff: David Knell, David Krommenhoek, Ross Khiabani, Chris Stone, Chris Kelley, Robert Burch, Kevin Custado

Plan Check and Inspection Services for the Manhattan Beach Mall Expansion Project. Willdan is the project manager for a mall expansion project that involves all disciplines from Building and Safety, Planning, Civil and Geotech. Coordination is made through City staff and Willdan reviewers, as well as close coordination with the development team. There are weekly meetings and all conditions of approval are reviewed for completion.



Professional Services Agreement

Willdan has reviewed the City's Professional Services Agreement and shall meet these requirements upon selection.

Insurance Coverage and Licenses

Willdan will not encounter any difficulties meeting the City's insurance requirements.



Description of Organization

Organization History

Firm Profile

Willdan Engineering

Willdan Engineering (Willdan), a California **Corporation** is part of Willdan Group, Inc. (WGI), a NASDAQ publicly traded Delaware Corporation and nationwide firm serving more than 800 public agencies and private sector clients. Founded in 1964 and headquartered in Anaheim, California, Willdan was originally established as a civil engineering firm specializing in providing solutions for our public agency clients. Since that time, we have evolved into a professional consulting firm offering a broad array of services that allows us to provide a comprehensive and integrated approach to our clients' planning, engineering, financial, economic, public facility, public safety, and energy sustainability solutions.



Today, Willdan has over **1,300 employees** operating out of multiple offices located throughout the United States. We have supported implementation of community visions through engineering, construction management, inspection, planning, building safety, and staff augmentation services. Willdan has completed various types of projects for over 90 percent of the cities and counties in California.

Throughout our 56-year history, Willdan has sustained a consistent healthy financial performance.

Willdan has the financial strength and wherewithal to complete all projects we undertake. This is due, in part, to a respected reputation in the municipal engineering industry for providing timely, cost effective, innovative engineering solutions that exceed our client's expectations and for providing exceptional customer service to our many clients. The firm has the resources and appropriate staffing to perform and complete all contractual project obligations. Financial information, including information on revenue, earnings, and cash flow, are issued quarterly and can be found on the Investors page of our website at www.willdangroup.com.

Willdan has historically concentrated our efforts in public works engineering for cities, counties, and special districts. Since 1964, we have evolved into a professional consulting firm offering a broad array of services that provide a comprehensive and integrated approach to our clients' needs. Willdan possesses expertise in most facets of the public sector marketplace. The varied experience and background of our staff experience is an added value of our services. No other firm matches Willdan's combined breadth of directly relevant technical and operational expertise and depth of experience.

Willdan's corporate-wide capabilities include a full range of civil and structural engineering, land planning, financial and economic consulting, geology and geotechnical engineering, environmental health and safety, homeland security, and energy efficiency solutions consulting services.



We provide professional services in all phases of City activities from project development, grant funding application assistance and administration, site analysis, and conceptual development to final design, construction management, observation, and project close-out.

Willdan Staff of Experts	
<ul style="list-style-type: none">▪ Municipal Engineering and Management▪ Highway and Freeway Engineering▪ Building Safety Services▪ Environmental Planning▪ Geotechnical/Geological Engineering▪ Assessment Engineering▪ Computer-Aided Analysis and Design▪ Geographical Information System (GIS)▪ Program and Construction Management	<ul style="list-style-type: none">▪ Construction Inspection and Support▪ Traffic and Transportation▪ Water and Wastewater▪ Urban and Regional Planning▪ Drainage and Flood Control▪ Structural Engineering▪ Right of Way Engineering▪ Landscape Architecture



Technical Approach

Project Approach

Willdan is noted for open lines of communication and flexibility in providing plan review services. We can provide reviews of hard copy or electronic documents. Coordination of all plan reviews will be through Mr. Stein. We understand that site visits may be required to the project locations and when so conducted, photographs will be taken and documented in the project file.



It is expected that plan checks should not exceed four (4) total plan checks which includes three (3) plan reviews and one (1) final mylar review for approval. Willdan's approach to the plan review process is shown in the flow chart below and as follows:

Process Items 1 through 4: Once Willdan receives notice of a plan review assignment, we coordinate delivery of the project documents, log them into the tracking system and distribute to the discipline leaders.

Process Item 5: The documents are given a preliminary review for completeness, thus ensuring materials required for review are present. The plans are then assigned an internal project task tracking number. Once the project receives a task tracking number, the Project Manager assigns the various documents to the appropriate staff for review.

Process Items 5a through 6b: Our professionals perform a preliminary review of the plans to gain knowledge of the site and the improvements and to determine any substantial errors or omissions such as obvious utility conflicts. These can become critical issues that necessitate substantial redesign. If critical issues are noted, they will be brought to the attention of the City to determine if the review should continue or be suspended pending the redesign required.

Process Item 7: Saving review time saves time for the developer, which is paramount to a project schedule. Once a plan check is determined complete for further review, the reviewers review the documents electronically and provide comments in an electronic format acceptable to the City.

Process Item 8: At the completion of the plan review, a review comment letter will be created which summarized the comments from all disciplines reviewed.

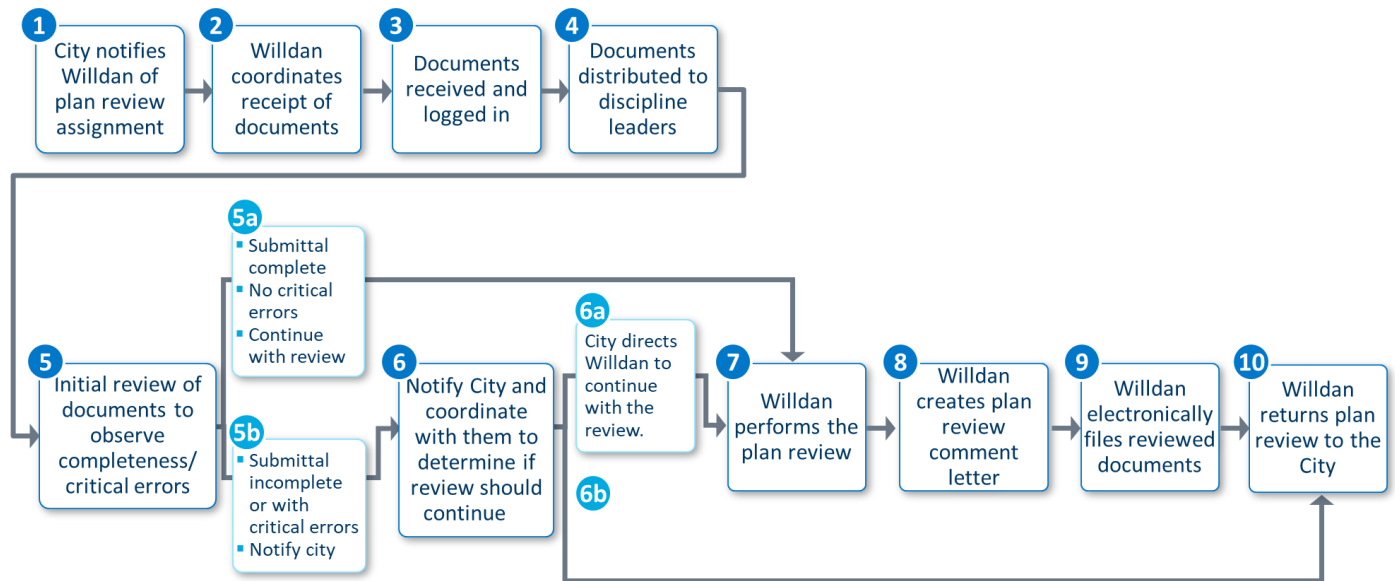
Process Item 9: Electronic plan review allows for ideal record keeping of documents reviewed. Willdan will file all documents reviewed electronically and make them available to others as requested by the City.

Process Item 10: At the completion of the plan review, the review documents and comment letter will be electronically delivered to the City.

Willdan provides all administrative, professional, and other technical resources necessary to review designs for completeness and correctness without the need for subconsultants.



City of Lake Elsinore Plan Review Process



In our communication process, we can transmit rough drafts of our comments back to the City for review prior to preparation of final copies. This gives the City staff the prerogative of changing, modifying, or adding any comments they desire. Following approval of draft comments, final copies are printed on agency letterhead, or as otherwise directed, and forwarded to the applicant and/or returned to the City. This process assures local input and knowledge of the content of corrections and produces continuity between the jurisdiction and the consultant. Plan reviewers will be available to discuss and clarify plan check issues with the City staff, designers, owners, and contractors. Willdan will utilize Bluebeam software for plan review. The electronic format provides efficiency in the distribution and recordation of plan review comments and responses. Mylar plans ready for approval by the City Engineer will be initialed, and a letter will be provided stating that the design is in substantial compliance with the applicable local, state, and federal requirements.

Deliverables to the client and applicant for a typical plan check will include electronic delivery of reviewed plans and documents and a corresponding plan review comment letter. For projects containing the review of multiple documents, the plan review comments will be consolidated into one comprehensive comment letter.



Willdan has been providing plan review services electronically for 15 years. The electronic plan review process is a web-based program utilizing software that enables a plan reviewer to insert annotations (comments) on plans and create issues (comments) within a letter format. Services are provided at the request of the applicant or the agency we serve. Submittals can be accepted either in hard copy, whereby Willdan converts the plans to electronic format, or electronic copy in a PDF or TIF format. Willdan will review plans and can transmit the electronic redlined plans back to the applicant or the City as directed, in either electronic or hard-copy format. The



Willdan understands that adherence to plan review turnaround times is of paramount importance. We are fully committed to meeting the City's following turn around review times:

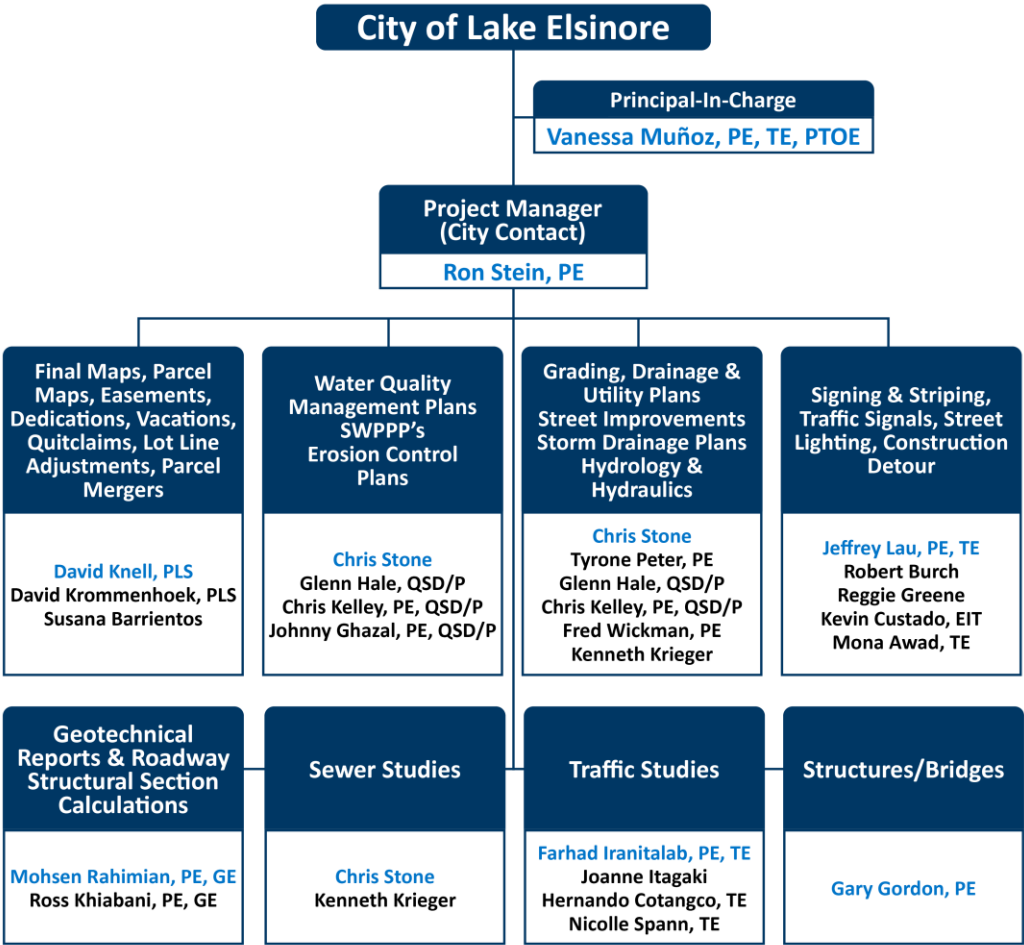
Proposed Staffing and Project Organization

For this assignment, **Mr. Ron Stein, PE** will serve as **Project Manager**. Mr. Stein will be the single point of contact to City staff and will convey all-important matters to the project team as appropriate. He will have full responsibility for understanding the project requirements, detailing the project scope requirements, and overseeing the necessary tasks to complete the project. We will maintain the team members assigned to a specific project from beginning to end. Key components of our Scope of Work are fully described herein.



Staffing and Resource Management Plan

Willdan is completely committed to providing the staffing and resources required to complete projects under this contract on schedule and with high quality. To ensure we meet this commitment, we prepare labor projections for all projects. Projections are made for each individual project and then aggregated by the technical director to produce division/office-wide labor needs and to identify shortages or surplus.

Labor planning for this contract will be done on an individualized basis. Mr. Ron Stein, PE will identify the staff required to complete each awarded project and calculate the hours. This data will be input into our project staffing needs plan on a weekly basis. For activities that do not require a specific person (i.e., draftsperson, tech aide, word processing, etc.), this estimate will be done on a position basis. Project staffing assignments will match the experience of personnel with the degree of project complexity. Because resources are often shared for any given project, our project managers are very involved in our staff workload projections.




City of Lake Elsinore

 Team Member Classification Experience (years)	 Role	 Qualifications
Vanessa Muñoz, PE, TE, PTOE 22 Years of Experience	<ul style="list-style-type: none"> Principal-In-Charge 	<ul style="list-style-type: none"> BS, Civil Engineering, California State Polytechnic University, Pomona Traffic Engineer, California No. 2341 Civil Engineer, California No. 67583 Civil Engineer, Arizona No. 68013 Professional Traffic Operations Engineer Doppler Traffic Operator
David Knell, PLS Principal Project Manager 45 Years of Experience	<u>Lead</u> <ul style="list-style-type: none"> Tentative & Final Tract Maps Parcel Maps Lot Line Adjustments Lot Combinations Right-of-Way Documents 	<ul style="list-style-type: none"> BS, Cartography, Boston University, Boston Civil Engineering and Land Surveying Classes, California State University, Long Beach Land Surveyor, California No. 5301
David Krommenhoek, PLS Supervising Land Surveyor 37 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Tentative & Final Tract Maps Parcel Maps Lot Line Adjustments Lot Combinations Right-of-Way Documents 	<ul style="list-style-type: none"> Civil & Map Drafting, Central New Mexico Community College (formerly Albuquerque Technical-Vocational Institute), Albuquerque, NM Land Surveyor, California No. 9455
Susana Barrientos Senior Survey Analyst 13 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Tentative & Final Tract Maps Parcel Maps Lot Line Adjustments Lot Combinations Right-of-Way Documents 	<ul style="list-style-type: none"> BS, Civil Engineering, California State Polytechnic University, Pomona
Mohsen Rahimian, PE, GE Supervising Engineer 31 Years of Experience	<u>Lead</u> <ul style="list-style-type: none"> Geotechnical Report 	<ul style="list-style-type: none"> MS, Civil Engineering, Tehran University, Tehran, Iran Civil Engineer, California, No. C73396 Geotechnical Engineer, California, No. 3059
Ross Khiabani, PE, GE Principal Engineer 32 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Geotechnical Reports 	<ul style="list-style-type: none"> MS, Geotechnical Engineering, California State University, Long Beach Geology, Pahlavi University, Iran Civil Engineer, California, No. 37156 Geotechnical Engineer, California, No. 2202 Civil Engineer, Nevada, No. 11256 Civil Engineer, Arizona, No. 27068
Chris Stone Project Manager III 28 Years of Experience	<u>Lead</u> <ul style="list-style-type: none"> Water Quality Management Plans SWPPP's Erosion Control Plans 	<ul style="list-style-type: none"> Graduate Course, Mathematics, Oregon State University Graduate Course, Engineering Mechanics, Montana State University BS, Civil Engineering, Montana State University




City of Lake Elsinore

 Team Member Classification Experience (years)	 Role	 Qualifications
	<ul style="list-style-type: none"> Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans Hydrology & Hydraulics Sewer Studies 	<ul style="list-style-type: none"> Civil Engineer, Nevada No. 12379 Civil Engineer, Arizona, No. 55200
Glenn Hale, QSD/P Senior Engineer III 28 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Water Quality Management Plans SWPPP's Erosion Control Plans Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans Hydrology & Hydraulics 	<ul style="list-style-type: none"> Masters of Env. Pollution Control, Pennsylvania State University BS, Water Resources, State University of New York, Oneata Civil Engineer, Nevada No. 17120 Certified Env. Mgr., Nevada, No. 1750
Chris Kelley, PE, QSD/P Project Manager I 14 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Water Quality Management Plans SWPPP's Erosion Control Plans Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans Hydrology & Hydraulics 	<ul style="list-style-type: none"> BS, Civil Engineering, California Polytechnic State University, Pomona Civil Engineer, California No. 83179 Qualified SWPPP Developer and Practitioner, No. 25874
Tyrone Peter, PE Deputy Director of Engineering 13 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans Hydrology & Hydraulics 	<ul style="list-style-type: none"> BS, Engineering and Civil Engineering, Tamil Nadu College of Engineering Civil Engineering, Murugappa Polytechnic Civil Engineer, California, No. 81888
Fred Wickman, PE Principal Project Manager 33 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans Hydrology & Hydraulics 	<ul style="list-style-type: none"> BS, Civil Engineering, Michigan Technological University, Houghton, MI 49931 Professional Engineer, California No. C47979 Professional Engineer, Texas No. 127997 Professional Engineer, New Mexico No. 24637
Ken Krieger Senior Designer II 34 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Grading, Drainage & Utility Plans Street Improvements Storm Drainage Plans 	<ul style="list-style-type: none"> N/A






City of Lake Elsinore

 Team Member Classification Experience (years)	 Role	 Qualifications
	<ul style="list-style-type: none"> Hydrology & Hydraulics Sewer Studies 	
Farhad Iranitalab, PE, TE Traffic Engineer II 35 Years of Experience	<u>Lead</u> <ul style="list-style-type: none"> Traffic Studies 	<ul style="list-style-type: none"> BS, Civil Engineering, Oregon State University MS, Transportation Engineering, Oregon State University Civil Engineer, California No. 33142 Traffic Engineer, California No. 1695
Joanne Itagaki Project Manager II 34 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Studies 	<ul style="list-style-type: none"> BS, Civil Engineering, California Polytechnic State University, Pomona Fundamentals of Traffic Engineering, Institute of Transportation Studies Fundamentals of Traffic Signal Design Safety through Construction and Maintenance Zones, Institute of Transportation Studies Transportation Demand Management Alternative Work Hours Seminar, Orange County Transportation District Transportation Demand Management Ridesharing Seminar Doppler Traffic Radar Operator
Hernando Cotangco, TE Traffic Engineer I 25 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Studies 	<ul style="list-style-type: none"> BS, Electronics and Communication Engineering, University of the East, Manila, Philippines Traffic Engineer, California No. 2631 IMSA Traffic Signal Technician Level III Certified Fiber Optic Installer
Nicolle Spann, TE Assistant Engineer IV 5 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Studies 	<ul style="list-style-type: none"> BS, Civil Engineering, California State Polytechnic University, Pomona Traffic Engineer, California No. 2933
Jeffrey Lau, PE, TE Deputy Direct of Engineering 16 Years of Experience	<u>Lead</u> <ul style="list-style-type: none"> Traffic Engineering Plans 	<ul style="list-style-type: none"> BS, Civil Engineering, California Polytechnic State University, Pomona Civil Engineer, California No. 83887 Civil Engineer, Colorado No. 56366 Civil Engineer, WA No. 58065 Civil Engineer, AZ No. 70072 Traffic Engineer, California No. 2835 Doppler Radar Operator
Robert Burch Senior Design Manager 26 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Engineering Plans 	<ul style="list-style-type: none"> AA, Liberal Arts, Mount San Antonio College, Walnut Post Certified Radar Operator, California State University, Fullerton Rio Hondo Community College, Whittier



City of Lake Elsinore

 Team Member Classification Experience (years)	 Role	 Qualifications
		<ul style="list-style-type: none"> Extension Courses, Traffic Signal Equipment and Operations, University of California, Berkeley Extension Courses, Construction Inspection for Traffic Signals and Highway Lighting Systems, University of California, Berkeley
Reggie Greene Design Manager 21 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Engineering Plans 	<ul style="list-style-type: none"> BS, Civil Engineering, California Polytechnic State University, Pomona Doppler Traffic Radar Operation
Kevin Custado, EIT Assistant Engineer IV 5 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Engineering Plans 	<ul style="list-style-type: none"> BS, Civil Engineering, California Polytechnic State University, Pomona Engineer-in-Training, California No. 153964
Mona Awad, TE Traffic Engineer I 16 Years of Experience	<u>Technical Support</u> <ul style="list-style-type: none"> Traffic Engineering Plans 	<ul style="list-style-type: none"> BS, Civil Engineering Traffic Engineer, California No. 2642



Resumes

Willdan offers a highly qualified team of professionals with the technical qualifications and diverse capabilities necessary to meet the as-needed services of the City of Lake Elsinore. **We have assembled a team that will be able to respond immediately to the City’s requests.**

Ron Stein, PE
Classification: Project Manager II
Project Role: Project Manager

Profile Summary	
Education:	▪ BS, Civil Engineering, Florida State University Tallahassee, FL
Certification:	▪ Civil Engineer, California No. 86877
Experience:	8 years, 1 year with Willdan
Clients Served:	10

Mr. Ron Stein has 8 years of experience as a project manager, civil engineer and QA/QC plan reviewer for various municipalities, including 3 years of public works experience with the Florida Department of Transportation (FDOT). He has led land development engineering teams engaged in the design of projects encompassing grading, erosion control, street improvements, striping, traffic control, storm drains, and utilities. Throughout all stages of design, he has conducted meticulous QA/QC plan reviews to ensure every submittal was a quality product that adhered to all local agency standards. He is also skilled in the development and review of hydrology/hydraulic calculations and reports, cost estimates, stormwater pollution and prevention plans (SWPPPs), water quality management plans and erosion and sediment control plans.

During his time in land development, Mr. Stein has worked on a wide array of projects including residential developments, commercial developments, healthcare facilities, universities, stadiums, solar farms, warehouses and naval facilities. He also brings valuable public works experience from FDOT, where he rotated through every office of the department to create a strong technical foundation from all perspectives throughout the full project lifecycle. Throughout this time, his main focus was in construction, where he conducted multiple constructability plan reviews on projects before they went to bid. Mr. Stein’s experience in the design and construction of private and public works projects will add value to the City’s plan review process from the perspective of constructability and value engineering.

Relevant Project Experience

On-Call Plan Check Services, City of La Quinta, CA. Project Manager. Willdan has been providing plan and map checking services in accordance with City standards, plan review guidelines, and the City’s policies on engineering services plan check processing. Under this contract, Willdan performs traditional engineering plan checking services of residential developments, commercial developments and infrastructure improvements within the City’s right of way. Willdan checks and reviews the improvement plans, specifications, reports and other documents for grading, street improvements, storm drain systems, sanitary sewers, hydrology, SWPPP, WQMP, erosion and sediment control, street lighting and water facilities to ensure compliance with City standards, specifications, ordinances and policies.

Planning and Engineering Services 2019, County of Orange, CA. Plan Check Manager. Willdan provides plan checks for grading, street, drainage and water quality plans. Willdan provides plan review services to the County of Orange including Subdivisions and Infrastructure, Hydrology/Hydraulic Calculations,



Public Improvement Plans, Storm Drain plans and Water Quality Management Plans. The County has an expedited review contract for the Rancho Mission Viejo Development with strict deadlines on a condensed schedule.

City of San Bernardino On-Call Civil Engineering Contract, San Bernardino, CA. Plan Check Engineer. Plan, schedule, conduct, and coordinate detailed plan reviews for portions of a major project or a complete project. Supervise and coordinate the work of plan reviewers, technicians, and others who assist in specific assignments. Keep abreast of new developments/knowledge and methods affecting public works design, codes and regulations. Perform QA/QC reviews of design development and construction documents including specifications, cost estimates, engineering calculations, and various reports and plans including hydrology/hydraulic reports, SWPPPs, and water quality management/erosion control plans.

Storm Drain Repairs, De Luz Community Service District, CA. Project Manager. In response to a washout of an existing culvert and roadway segment on Via Vaquero Road just south of Sandia Creek Drive, Willdan will provide engineering design services to the De Luz CSD for the repair work. Willdan will produce a full PS&E packet incorporating the detailed topography. A geotechnical investigation will be performed of the area to ensure proper backfill requirements and adequate pavement sections. Additionally, a drainage investigation will be conducted to ensure adequate sizing of the culverts under the roadway and to not disrupt original drainage patterns. These repairs will include grading and proper erosion control measures to mitigate any potential erosion issues.

Highway Safety Improvement (HSIP) Cycle 8 Design, City of La Puente, CA. Civil Design Lead. Willdan is providing preliminary engineering design services including utility coordination, contract administration and funding administration services for the Highway Safety Improvement Project – Cycle 8. The City was awarded \$783,600 FY 2018/2019 for eight (8) crosswalk locations throughout the City of La Puente. The proposed improvements included installing rectangular rapid flashing beacons, curb extensions, advanced pavement markings, warning signs, high visibility crosswalks and ADA compliant access ramps to improve safety and comply with current standards. The total project cost was estimated to be \$786,600.

Lakewood Boulevard Regional Corridor Capacity Enhancement – Final Engineering Design Services, City of Lakewood, CA. Project Manager. Willdan provided design engineering services for complete street/green street improvements between the north city limit and Del Amo Boulevard. Improvements involved street widening and median improvements; Class II bike lanes in both directions; turn lanes; landscape planting and irrigation; overhead distribution and transmission power undergrounding; sidewalk, curb and gutter, and driveway approach reconstruction; street resurfacing; catch basin construction; storm water quality improvements to comply with Green Streets policy; bike lockers, bus shelter, and traffic signal modifications. Services provided include civil, traffic, pavement, drainage, and geotechnical engineering; landscape architecture, survey and right-of-way engineering, and utility coordination and relocation. prepare an initial study checklist and a mitigated negative declaration pursuant to the California Environmental Quality Act.



City of Lake Elsinore

Vanessa Muñoz, PE, TE, PTOE

Classification: Director of Engineering

Project Role: Principal-in-Charge

Profile Summary

Education:	▪ <i>BS, Civil Engineering, California State Polytechnic University, Pomona</i>
Certification:	<ul style="list-style-type: none"> ▪ <i>Traffic Engineer, California No. 2341</i> ▪ <i>Civil Engineer, California No. 67583</i> ▪ <i>Civil Engineer, Arizona No. 68013</i> ▪ <i>Professional Traffic Operations Engineer</i> ▪ <i>Doppler Traffic Operator</i>
Experience:	<i>22 years, 20 years with Willdan</i>
Clients Served:	<i>30</i>

Ms. Vanessa Muñoz is an accomplished engineer for multi-discipline and multi-agency traffic and transportation projects and has designed over 1,000 signalized intersections and supervised completion of over 2,000 projects for a variety of large- to small-scale projects. She has 22 years of traffic engineering and transportation planning experience in traffic impact studies, engineering and traffic surveys, design and operations, municipal engineering, and operational analyses. Ms. Muñoz is responsible for analysis, coordination, and preparation of plans, specifications, and estimate for traffic signals, signing, striping, traffic control, flashing beacons, street lighting, interconnect, parking lots, street widening and resurfacing projects. She has performed street lighting inventories for master plans, developed design plans and performed energy audits for street lighting conversions and street lighting upgrades. Ms. Muñoz serves on an on-call basis as the City Traffic Engineer for the Cities of Rolling Hills and Inglewood and has served in a traffic engineer capacity or as City Traffic Engineer for the Cities of Arcadia, Camarillo, and Fontana.

Ms. Munoz has performed the street lighting inventory for Master Plans and has developed design plan and performed energy audits for street lighting conversions and upgrade street lighting project. Most projects have consisted in converting HPS to LED or induction fixtures. Currently, Ms. Muñoz serves on an on-call basis as the City Traffic Engineer for the City of Rolling Hills and Inglewood and has served on a traffic engineering capacity or as the City Traffic Engineer for the Cities of Arcadia, Camarillo, Fontana and Rialto. Ms. Muñoz is bilingual, fluent Spanish.

Relevant Project Experience

On-Call Plan Check Services, City of La Quinta, CA. Principal-in-Charge. Willdan has been providing plan and map checking services in accordance with City standards, plan review guidelines, and the City's policies on engineering services plan check processing. Under this contract, Willdan performs traditional engineering plan checking services of residential developments, commercial developments and infrastructure improvements within the City's right of way. Willdan checks and reviews the improvement plans, specifications, reports and other documents for grading, street improvements, storm drain systems, sanitary sewers, hydrology, SWPPP, WQMP, erosion and sediment control, street lighting and water facilities to ensure compliance with City standards, specifications, ordinances and policies.

On Call Traffic Engineering Services, City of Rialto, CA. Principal-in-Charge. Willdan provided professional traffic engineering "on-call" services to the City of Rialto. The services included preparation of grants such as ATP, advised on traffic calming devices, developed PS&E for traffic control devices, traffic signal and timing chart plan check for development services, oversee the traffic management center activities, and other duties as requested.



Plan Checking Services FY 2015-2016, City of Rialto, CA. Traffic Engineer. Willdan provided professional traffic engineering services for plan checking and development review of traffic signal plans for various development projects in the Renaissance area.

Plan Check Services, County of Riverside, CA. Traffic Engineer. Responsible for providing plan check services for signing and striping plans, traffic sign plans, and traffic signal plans.

Engineering Plan Checks, City of Fontana, CA. Traffic Engineer. The City of Fontana retained Willdan to provide civil engineering and landscape architectural plan check services.

On-Call Plan Checking FY 2018-2019, City of Rancho Palos Verdes, CA. Traffic Engineer. Responsible for providing on-call plan checking services for traffic control plans.

Engineering Services FY 2018, City of Paramount, CA. Principal-In-Charge. Willdan provides city traffic engineering services to the City of Paramount. Duties include plan checking traffic related projects, preparing traffic studies and reports, investigating citizens' requests, reviewing traffic impacts of developments, preparing staff reports and attending Traffic Commission meetings and working with Public Works staff in implementing traffic-related projects. Willdan prepares plans, specification and estimate for traffic signal, signing, striping, traffic control and street lighting.

Plan Check Services, City of El Monte, CA. Willdan provided professional engineering on-call plan check services for the off-site improvement for various developments throughout the City. The plan check included a 1st, 2nd and 3rd plan check for street, traffic, sewer, storm drain, geotechnical reports, SWPPS and map checks.

Plan Checking Services – Street Lighting Conversion Project Circuits 31, 41, 44 and 69 Plan Checking Services, City of South Gate, CA. Project Manager. Responsible for providing traffic engineering plan checking services of 45 street lighting sheets for the Street Lighting Conversion Project Circuits 31, 41, 44, and 69. We understand the plan check involves the conversion of street lights from an existing series system to a multiple system including, but not limited to, the installation of conduits, pull boxes, electrical cabinets, installation of LED lights, etc. Plan check involves checking the plans, specifications and estimates.

Traffic Engineering Services, City of Inglewood, CA. Consultant Traffic Engineer. Ms. Munoz in the capacity of the City's Consultant Traffic Engineer reviews, approves and provides guidance for various projects being constructed in the City. Willdan provides on call traffic engineering services to the City of Inglewood by providing staff augmentation services and acting as City Traffic Engineer. As the City Traffic Engineer, Willdan performed the following duties: reviewed and made recommendations on residents' request for stop signs, crosswalks, permit parking and speed humps; reviewed PS & E for various projects including METRO Crenshaw/LAX LRT, Century Boulevard, Hollywood Park, and Imperial Highway; prepared staff reports and attended parking and traffic commissioner's meeting; prepared PS&E for traffic signal signing and striping; prepared signal coordination timing and individual traffic signal timing charts; prepared studies for CMP warrant analysis traffic calming measures and others that supported request by residents; worked directly with City's planning department for review of TIA development of MOUs and plan checking of upcoming developments; attended meetings and coordinated with other consultant numerous city projects; and prepared grants for MTA call for projects and Highway Safety Improvement program (HSIP). Ms. Munoz prepared two 2015 Call for project applications that got the City awarded \$2.3 million dollars for their goods movements and ITS VI projects.



David O. Knell, PLS

Classification: Principal Project Manager

Project Role: Final Maps, Parcel Maps, Easements, Dedications, Vacations, Quitclaims, Lot Line Adjustments, Parcel Mergers

Profile Summary	
Education:	<ul style="list-style-type: none">BS, Cartography, Boston University, BostonCivil Engineering and Land Surveying Classes, California State University, Long Beach
Certification:	<ul style="list-style-type: none">Land Surveyor, California No. 5301
Experience:	45 years, 23 years with Willdan
Clients Served:	15

Mr. David Knell has a wide range of experience preparing and checking subdivision maps. As a contract map checker for the Cities of Agoura Hills, Dana Point, Lake Forest, Bell Gardens, Paramount, and Cerritos and as a surveyor in private practice, Mr. Knell has been involved in preparing and checking numerous parcel maps and tract maps, ALTA surveys, records-of-survey, lot line adjustments, parcel map waivers, certificates of compliance, and boundary determination. He is responsible for preparing legal descriptions and sketches for a wide range of easements involving utilities, air space reservations, and construction projects. Mr. Knell works with major utilities and title companies in determining easements and correcting defective legal descriptions. His experience includes supervising field crews, overseeing an office staff dealing with various survey projects, and extensive experience with local, state, and federal agencies.

Relevant Project Experience

City Surveyor, Various Agencies, CA. Mr. Knell is currently the Acting City Surveyor in the following southern California cities:

- Los Angeles County: Calabasas, Cerritos, Compton, Cudahy, Downey, Hawaiian Gardens, Inglewood, La Puente, Paramount, Rolling Hills Estates, South Gate, Westlake Village
- Orange County: Los Alamitos, Laguna Hills, Yorba Linda
- San Bernardino County: Big Bear Lake, Loma Linda, Grand Terrace, San Bernardino
- Ventura County: Simi Valley

In addition, he is currently the Deputy County Surveyor in Marin County in the Bay Area. In this capacity as City/County Surveyor, Mr. Knell reviews all divisions of land in these jurisdictions

Some of Mr. Knell’s more specific projects and assignments are as follows:

- Re-subdivision of major shopping centers such as the Town Center in Yorba Linda and the Laguna Hills Mall in Orange County.
- Monument restoration of approximately 500 street monuments in Laguna Hills.
- Right of way engineering for Firestone Boulevard in the City of South Gate
- Trail Easements in the City of Big Bear Lake
- Landscape Easement Quitclaims in the City of Yorba Linda
- Title Determination for various parcels in the City of Cerritos
- Numerous topographic surveys for street and alley rehabilitation and subsequent construction staking



Gary Gordon, PE**Classification: Project Manager IV****Project Role: Project Manager and Bridge Engineering Task Manager****Profile Summary**

Education:	▪ <i>BS, Civil Engineering, California State University, Chico</i>
Certification:	▪ <i>Civil Engineer, California No. 42176</i>
Experience:	<i>35 years, 19 years with Willdan</i>
Clients Served:	<i>10</i>

Mr. Gary Gordon possesses comprehensive public works experience that encompasses project management; design and construction management of roadway, bridge, traffic signal, waterline, sewer line, drainage system, and airport projects. He has extensive experience administering federal-aid projects and is intimately familiar with the various program requirements from both project management and construction management standpoints. He helped the County of Glenn successfully apply for over \$36 million in federal HBP funds for 12 different off-system, structurally-deficient, or functionally-obsolete bridges since 2010 – also applying Toll Credits as a match to the HBP funds with no local matching funds required from the County. Mr. Gordon successfully lobbied Caltrans for additional approach funding beyond the typical limits. He has written project study reports to qualify projects for STIP funding, time extension requests to Caltrans and the California Transportation Commission, and specifications utilizing various formats such as Caltrans and the American Public Works Association Green Book.

Mr. Gordon's career includes serving as a staff member of the Shasta County Department of Public Works, Caltrans Division of Structures, and City of Redding's Department of Public Works performing detailed and complex design, construction management, and division management and supervision.

Relevant Project Experience

On-Call Plan Check Services, City of Elk Grove. Project Engineer responsible for third party plan check of structural components of civil improvement and development plans including retaining walls, sound walls, fences, and overhead structures.

Five Bridge Replacements and Bridge Preventive Maintenance, County of Mariposa, California. Project Manager responsible for overall project management and oversight of design services for five bridge replacements and two Bridge Preventive Maintenance Program projects consisting of over 20 bridges. Services encompass project management, surveying/right-of-way engineering, hydrology/hydraulics, geotechnical, environmental permitting, bridge and road design, appraisal and acquisition, utility coordination, and Caltrans Local Programs assistance.

Mattole River Bridge on Briceland Road, County of Mendocino, California. Project Engineer responsible for design of this bridge replacement project located on a rural county road that provides access to Sinkyone Wilderness State Park within Mendocino County's costal wilderness area. Briceland Road over Mattole Creek Bridge's approach roadway alignment is a series of curves and rolling hills. The existing bridge was constructed in 1967 and is a single-lane structure that consists of two railroad flat cars placed side by side. It has been rated functionally obsolete. In addition, the existing bridge is scour critical; field review indicates that extensive scour has occurred at the bridge foundations. Willdan's replacement option is a single-span precast prestressed box girder that eliminates the need for falsework in this environmentally sensitive area. Willdan is using a detour with a temporary bridge to maintain traffic



through the construction site. The bridge foundations socketed into the near surface rock stratum eliminates any future scour issues.

County Engineering Services, County of Glenn, California. Project Manager responsible for over-all project management and services provided for various bridge replacement projects throughout the county, including 10 HBP-funded bridge replacement projects. Common elements of all projects include project management, surveying, right-of-way engineering, utility coordination, geotechnical investigation, hydrologic/hydraulic analysis, preliminary engineering studies, environmental documentation, roadway approach and bridge design, right-of-way clearance and certification, PS&E preparation, bid assistance, and construction support. Projects include:

- County Road Z at Campbell Slough
- County Road 35 at Walker Creek Bridge
- County Road 35 at Wilson Creek Bridge
- County 67 at Howard Slough – four bridges
- County Roads 200 and P STIP Overlays
- County Road V STIP Overlay
- County Road 44 Box Culvert Replacement

Stony Creek Bridge Replacement on County Road 200A, County of Glenn, California. Project Manager/Project Engineer responsible for overall project management and oversight and for preparing design plans, specifications, and estimates to replace a 500-foot-long, eight-span structure with severe scour and erosion under one of the pier footings resulting in pier settlement. Willdan is providing project management, federal-aid assistance, engineering design, design surveys, geotechnical engineering, and utility coordination for replacing Stony Creek Bridge on County Road 200A. The existing bridge is a one-lane, 500-foot-long, eight-span structure with severe scour at several piers causing settlement and rotation of one of the piers. After the County initially set up the project as a repair project, Willdan successfully lobbied Caltrans to obtain 100 percent federal financing for a two-lane replacement structure.

Prune Street Pedestrian Bridge Replacement, City of Pinole, California. Project Manager responsible for overall project management and design engineering for replacing an 85-foot-long by 10-foot-wide pedestrian bridge over Pinole Creek. The bridge incorporated enhanced entrance features consisting of rock pillars, tapered walls topped with decorative lighting, and colored textured asphalt paving on the trail leading to the structure.

Railroad Avenue Bridge, City of Pinole, California. Project Engineer responsible for overall project design, including a feasibility study for replacing Railroad Avenue Bridge over Pinole Creek. The study illustrated that City would save over \$1 million by concluding that replacing the structure would not fully satisfy the project goal of eliminating undesirable backwater effects resulting from other downstream flow controls.

Hellman Avenue Bridge over Alhambra Wash Reconstruction, City of Rosemead, California. Design Engineer responsible for design of the replacement bridge. The project consisted of replacing the bridge with a 60-foot-wide structure, including shoulders and sidewalks, and providing precast prestressed I-girders to support a reinforced concrete deck. The bridge replacement was funded by Highway Bridge Rehabilitation and Replacement Program funds.



City of Lake Elsinore

Mohsen Rahimian, PE, GE

Classification: Supervising Engineer

Project Role: Geotechnical Reports and Roadway Structural Section Calculations

Profile Summary

Education:	▪ MS, Geotechnical Engineering, Pahlavi University, Iran
Certification:	▪ Civil Engineer, California, No. 73396 ▪ Geotechnical Engineer, California, No. 3059
Experience:	31 years, 7 years with Willdan
Clients Served:	15

Mr. Mohsen Rahimian possesses expertise in geotechnical and material engineering, testing, investigation, design, and construction and has lent that expertise to a wide spectrum of public works projects. Mr. Rahimian has substantial experience in conducting and managing geotechnical and material testing and inspection services during construction. He has performed diversified geotechnical assignments, including pavement design, shallow and deep foundation design, settlement evaluations, liquefaction studies, and slope stability analyses. Mr. Rahimian experience includes geotechnical, civil, and structural design and construction management.

Relevant Project Experience

Improvement Plan Check Services, City of San Bernardino, CA. Geotechnical Engineer. Willdan is currently responsible for reviewing private developer projects spanning both on-site and off-site improvements. Review services cover Final Parcel and Tract Maps, lot line adjustments, grading & erosion control plans, storm drain plans, hydrology, water & sewer improvement plans, street improvement plans, signing & striping plans, traffic signal plans, storm water pollution prevention plans (SWPPP), and water quality management plans (WQMP).

Plan Checking Services, City of El Monte, CA. Geotechnical Engineer. Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development. Willdan has provided plan check services for preliminary development services including developing conditions of approval and plan checking for the off-site improvements for the Hilton Garden Inn, Ramona Resurfacing Project CIP 857, Ramona Ave 62 Condo development, Goodman Logistics Center, Ramona Boulevard Grading, TR72766 Garvey. The plan check included a 1st, 2nd and 3rd plan check for grading, street, sewer, storm drain, water, signing, striping, traffic signals, geotechnical report, hydrology, SWPPP, NPDES, and map checks.

Development Review Services, City of Cerritos, CA. Geotechnical Engineer. Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development.



Chris O. Stone

Classification: Project Manager II

Project Role: Water Quality Management Plans, SWPPP’s, Erosion Control Plans, Grading, Drainage & Utility Plans, Street Improvements, Storm Drainage Plans, Hydrology & Hydraulics, Sewer Studies Lead

Profile Summary	
Education:	<ul style="list-style-type: none">Graduate Course, Mathematics, Oregon State UniversityGraduate Course, Engineering Mechanics, Montana State UniversityBS, Civil Engineering, Montana State University
Certification:	<ul style="list-style-type: none">Civil Engineer, Nevada No. 12379Civil Engineer, Arizona, No. 55200
Experience:	28 years, 27 years with Willdan
Clients Served:	15

Mr. Chris Stone possesses expertise in transportation and traffic engineering, street and roadway engineering, water and wastewater engineering, flood control hydrologic and hydraulic engineering, tract map and parcel mapping, grading, and structural engineering. He has participated in all technical aspects of projects, including preliminary engineering study and design; preparation of plans, specifications, and estimates; and peer review. His managerial experience includes client relations, project pursuit, proposal preparation, project technical and budgetary control, and invoicing.

Relevant Project Experience

Engineering Plan Review, Various, CA. Project Engineer responsible for reviewing engineering plans and documents submitted by developers to the Agency for plan review. Documents reviewed have included grading plans, rough grading plans, erosion control plans, drainage reports, Low Impact Development (LID) reports, storm drain plans, stormwater pump station design plans, street improvement plans, sanitary sewer plans, sanitary sewer area studies, water distribution plans, and encroachment permit applications. The documents are reviewed for conformance with City standards supplemented by the Standard Plans and Specifications for Public Works Construction (Green Book) and Caltrans Standard Plans. Reviews have been completed in both hard copy and electronic formats. Comments are returned to the applicant as redlined plan comments and in a plan review comment document. Subsequent reviews are performed to ensure that corrective actions have been performed by the applicant to adequately address the comments. When completed, the documents are stamped as “approved” and returned to the City. Reviews have been performed in the past 2 years for the following Southern California agencies:

- | | | |
|------------|------------------------|-------------------------|
| ▪ Bell | ▪ La Canada Flintridge | ▪ Rolling Hills Estates |
| ▪ Brea | ▪ La Quinta | ▪ Rosemead |
| ▪ Cerritos | ▪ Los Alamitos | ▪ San Bernardino County |
| ▪ El Monte | ▪ Manhattan Beach | ▪ Simi Valley |
| ▪ Fillmore | ▪ Paramount | ▪ Ventura |
| ▪ Goleta | ▪ Rolling Hills | ▪ West Covina |

Mall Plan Check Services, City of Manhattan Beach, CA. Project Engineer. Willdan is the project manager providing Plan Check and Inspection Services for the Manhattan Beach Mall Expansion Project that involves all disciplines from Building and Safety, Planning, Civil and Geotech. Coordination is made through City staff and Willdan reviewers, as well as close coordination with the development team. There are weekly meetings and all conditions of approval are reviewed for completion.



Development Services, City of Cerritos, CA. Project Engineer. Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development.

Alameda Landing Plan Check, City of Alameda, CA. Project Manager. Performed plan checks for grading, street, drainage and water quality. The project is on the former Alameda Naval Air Station and is a mixed-use project to include commercial and residential components. The development agreement required extensive infrastructure improvements to support the project. All major components of public infrastructure including water, wastewater, electrical, gas, storm drainage, stormwater treatment, roadway, and traffic facilities were involved. Responsibilities included site visits; technical review of models, studies, improvement plans and detailed drawings for compliance with city, district, state, and Federal standards and criteria; assuring that the intent of studies are fulfilled in design and represented by design submittal; providing timely comments and recommendations for corrective actions through a Plan Review Memo; meeting with developers and consultants to clarify requirements; and reviewing re-submittals to ensure that corrective actions are undertaken. The entire review process was conducted utilizing a proprietary electronic plan review system.

Engineering Plan Review, Compton, CA. Project Engineer responsible for reviewing engineering plans and documents submitted by developers to the City for plan review. Documents submitted for review have included grading plans, erosion control plans, drainage reports, Low Impact Development (LID) reports, street improvement plans, storm drain plans, sanitary sewer plans, sanitary sewer area studies, and encroachment permit applications. The documents are reviewed for conformance with City standards supplemented by the Standard Plans and Specifications for Public Works Construction (Green Book). Reviews have been completed in both hard copy and electronic formats. Comments are returned to the applicant as redlined plan comments and in a plan review comment document. Subsequent reviews are performed to ensure that corrective actions have been performed by the applicant to adequately address the comments. When completed, the documents are stamped as “approved” and returned to the City.



Farhad Iranitalab, PE, TE**Classification: Traffic Engineer II****Project Role: Traffic Studies Lead****Profile Summary**

Education:	<ul style="list-style-type: none"> ▪ <i>BS, Civil Engineering, Oregon State University</i> ▪ <i>MS, Transportation Engineering, Oregon State University</i>
Certification:	<ul style="list-style-type: none"> ▪ <i>Civil Engineer, California No. 33142</i> ▪ <i>Traffic Engineer, California No. 1695</i>
Experience:	<i>35 years, 5 years with Willdan</i>
Clients Served:	<i>15</i>

Mr. Farhad Iranitalab possesses expertise in managing and directing projects involving geometric design; traffic signal design and operation; traffic impact and traffic flow/capacity analyses; signing and striping design; and street-light design. His experience encompasses projects from initial planning through construction. Mr. Iranitalab served as City Traffic Engineer and Transportation Manager for City of Fairfield, City of San Jose, City of Hayward, and City of Elk Grove, City of Brea, and currently serves as City Traffic Engineer for the Cities of Los Alamitos and La Cañada Flintridge. His ability to assemble – and work closely with – the right project team empowers him to effectively manage simple and complex projects. His project management capabilities have saved time and expense for our clients' projects.

Relevant Project Experience

Traffic Engineering Services, City of Brea, CA. City Traffic Engineer. Willdan is responsible for planning, organizing, supervising and performing a variety of field and office professional traffic and transportation engineering work, including: planning, designing and reviewing development and capital improvement projects; performing technical studies; serving as project engineer for major traffic and transportation improvement projects; coordinating traffic signal timing and maintenance with Public Works staff; presenting the City at the regional committees, and performing other related duties as required. As part of our traffic engineering support services to the City, we performed review of development projects submitted to the City. Tasks include checking plans and project details regarding on-site circulation and design, project access, parking, and possible off-site impacts; determining if a traffic impact study was required and providing the required elements of the study to the City/developer; following up by reviewing and commenting on the traffic study; meeting with the developer and developer's civil and traffic engineers, as necessary; approving the final traffic study; and preparing the conditions of development.

Traffic Engineering Services, City of La Canada-Flintridge, CA. City Traffic Engineer. Willdan is responsible for planning, organizing, supervising and performing a variety of field and office professional traffic and transportation engineering work, including: planning, designing and reviewing development and capital improvement projects; performing technical studies; serving as project engineer for major traffic and transportation improvement projects; coordinating traffic signal timing and maintenance with Public Works staff; and performing other related duties as required. As part of our traffic engineering support services to the City, we performed review of development projects submitted to the City. Tasks include checking plans and project details regarding on-site circulation and design, project access, parking, and possible off-site impacts; determining if a traffic impact study was required and providing the required elements of the study to the City/developer; following up by reviewing and commenting on the traffic study; meeting with the developer and developer's civil and traffic engineers, as necessary; approving the final traffic study; and preparing the conditions of development.



Traffic Engineering Services, City of Los Alamitos, CA. City Traffic Engineer. Willdan is responsible for planning, organizing, supervising and performing a variety of field and office professional traffic and transportation engineering work, including: planning, designing and reviewing development and capital improvement projects; performing technical studies; serving as project engineer for major traffic and transportation improvement projects; coordinating traffic signal timing and maintenance with Public Works staff; and performing other related duties as required. As part of our traffic engineering support services to the City, we performed review of development projects submitted to the City. Tasks include checking plans and project details regarding on-site circulation and design, project access, parking, and possible off-site impacts; determining if a traffic impact study was required and providing the required elements of the study to the City/developer; following up by reviewing and commenting on the traffic study; meeting with the developer and developer's civil and traffic engineers, as necessary; approving the final traffic study; and preparing the conditions of development.

Traffic Engineering Services, City of Elk Grove, CA. City Traffic Engineer/Traffic/Transportation Manager. Willdan is providing all-encompassing Public Works Department services for the over 160,000-resident community. Services include traditional public works, including public counter service and permitting, land development review and inspection, CIP design and construction management, and infrastructure maintenance. Staffing of department currently consists of five City employees overseeing a Willdan staff of 40 full-time engineers, managers, inspectors, clerical, and a variety of subconsultants and subcontractors. Currently over 70 CIP task orders are active with a total construction value of \$190 million.

Traffic Signal Priority Rating, City of Rialto, CA. Project Engineer. The City of Rialto requested the development of procedures to rank un-signalize intersections for the installation of traffic signals. Prepared a methodology and procedure to rank un-signalized intersections for traffic signal installation. The process helps the decision makers in funding the most needed intersections.

Citywide Sign Inventory, Bell, CA. Project Manager for preparing a citywide sign inventory to assist the city to create a maintenance program for replacing signs. The final products included a layer of sign inventory in the City's GIS system.

Citywide Pavement Markings, Striping, and Curb Marking Inventory, Bell, CA. Project Manager for preparing a citywide pavement markings, striping, and curb marking inventory to assist the City to create a maintenance program for replacing markings. The final products included a layer to be included in the City's GIS system.

Traffic Signal Timing Charts for Several Intersections on Century Boulevard, City of Inglewood, CA. Project Engineer. Prepared temporary traffic signal timing charts during the re-construction of Century Road in the City of Inglewood for 2070 controller with Bitrans 2033 program.

Traffic Signal Timing Charts for Crenshaw Boulevard, City of Inglewood, CA. Project Engineer. Reviewed traffic signal timing charts for 10 intersections for the Crenshaw-LAX project. The timing charts included Railroad preemption timing. Timing charts were for 170/2070 controllers with 233/2033 Bitrans programming.

Diamond Springs Development Traffic Impact Analysis, El Dorado County, CA. Project Engineer. Analyzed and prepared traffic impact report for a proposed residential development on 48.66 acres located to the south of Pleasant Valley Road east of Shenandoah High School in Diamond Springs in El Dorado County.



Naglee Park Neighborhood Traffic Management Plan. Project Engineer. Responsible for developing neighborhood traffic management plan for Naglee Park. This neighborhood is in central San Jose, just to the east of San Jose State University, an area containing about 830 dwelling units. This area also contains various commercial establishments along the neighborhood boundaries and several quasi-public facilities throughout the neighborhood. Mr. Iranitalab oversaw developing, designing and implementing traffic calming devices to reduce the commute traffic within the neighborhood and improve safety for pedestrian and bicycle movements. The plan reduced the number of accidents by 40 percent through the area.

ITS Project Along Broadway Street, City of Oakland, CA. Project Manager. Prepared plans and specifications for traffic signals interconnect system at 18 intersections along Broadway Street in the City of Oakland. The design included preparation of plans to install new Fiber Optics in the existing communication conduit to the City Hall TMC center, preparation of plans to install new conduit and new Fiber Optics. The design also included installation of CCTV cameras. The project was completed on time and under budget.



City of Lake Elsinore

Jeffrey Lau, PE, TE

Classification: Deputy Director of Engineering

Project Role: Signing & Striping, Traffic Signals, Street Lighting, Construction Detour Plans

Profile Summary

Education:	▪ BS, Civil Engineering, California Polytechnic State University, Pomona
Certification:	<ul style="list-style-type: none"> ▪ Civil Engineer, California No. 83887 ▪ Civil Engineer, Colorado No. 56366 ▪ Civil Engineer, WA No. 58065 ▪ Civil Engineer, AZ No. 70072 ▪ Traffic Engineer, California No. 2835 ▪ Doppler Radar Operator
Experience:	16 years, 14 years with Willdan
Clients Served:	20

Mr. Jeffrey Lau offers 16 years of traffic design and transportation planning experience. Mr. Lau provides transportation design for Willdan's traffic engineering group and manages design projects for a variety of cities and counties throughout California. He is responsible for analysis, coordination, and design of various projects, including preparation of plans, specifications and estimate (PS&E) for traffic design projects such as traffic signals, signing and striping, street lighting, and construction traffic control. He has also assisted with traffic impact studies and analyses, plan reviews, and engineering and traffic survey updates. Mr. Lau is an accomplished engineer for multi-discipline and multi-agency traffic and transportation projects and has supervised completion of a variety of large- to small-scale projects. Mr. Lau has personally designed over 200 new and modified traffic signal installations for cities and other agencies throughout California. He understands the importance of meeting schedules and developing the most cost-efficient project to meet budgetary constraints.

Relevant Project Experience

Plan Check Services, City of Rialto, California. Senior Engineer. Mr. Lau was responsible for providing plan checking services for traffic signal plans for new development projects in the City of Rialto. Mr. Lau has completed traffic signal plan reviews for various development projects including the following:

- PPD 2283 Baseline/Maple
- PPD 2283 Baseline/Linden
- PPD2290 Casmalia/Linden
- PPD 2102-R Walmart Signals (3)
- PPD 2335 Casmalia Signals (4)
- PPD 2398 Baseline/Laurel
- PPD 2400 Baseline/Alder
- PPD 2458 Miro/Locust
- Renaissance/Linden
- Walnut/Alder

Plan Checking Services, City of El Monte, CA. Plan Check Engineer. Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development. Willdan has provided plan check services for preliminary development services including developing conditions of approval and plan checking for the off-site improvements for the Hilton Garden Inn, Ramona Resurfacing Project CIP 857, Ramona Ave 62 Condo development, Goodman Logistics Center, Ramona Boulevard Grading, TR72766 Garvey. The plan check included a 1st, 2nd and



3rd plan check for grading, street, sewer, storm drain, water, signing, striping, traffic signals, geotechnical report, hydrology, SWPPP, NPDES, and map checks.

Plan Checking Services, City of Paramount, CA. Plan Check Engineer. Willdan provides plan review services for improvement plans including street and storm drain improvements, flood control, hydrology/hydraulic reports, traffic signal, signing and striping, traffic control plans, FEMA studies, water quality management plans, storm water pollution prevention plans, and landscape improvement plans.

Development Review Services, City of Cerritos, CA. Plan Check Engineer. Willdan is providing professional engineering plan check services for civil related disciplines. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Los Angeles County Hydrology Manual, Los Angeles County Low Impact Development Manual, as well as other applicable design standards and the Conditions of Development adopted by the City Council of Planning Commission for each development.

On-Call Plan Checking Services, City of Brea, CA. Plan Check Engineer. Willdan provided professional engineering plan check services. We are committed to performing complete and thorough plan check services to ensure that the proposed developments and the associated improvements are designed in accordance with City-accepted standards, Orange County Highway Design Manual, Orange County Local Drainage Manual, Orange County Drainage Area Management Plan (DMAP), City Master Plan of Drainage, as well as other applicable design standards and the Conditions of Development adopted by the City of Brea City Council of Planning Commission for each development.

On-Call Traffic Engineering Services FY 2016-2017, City of Rancho Palos Verdes, CA. Plan Check Engineer. Willdan provides city traffic engineering services to the City of Rancho Palos Verdes. Duties include preparing traffic studies and reports, investigating citizens' requests, reviewing traffic impacts of developments, plan check traffic control for permit process, preparing staff reports and attending Traffic Commission meetings and working with Public Works staff in implementing traffic-related projects. Willdan prepared a variety of traffic studies for the City, such as stop signs, traffic signals, school circulation, school pedestrian safety, crosswalks/enhanced crosswalks, Engineering & Traffic Surveys to set speed limits, permit parking, sight distance, and safety improvements at intersections and on roadway segments.

Traffic Engineering Services, City of Rolling Hills Estates, CA. Traffic Engineer. Responsible for providing professional traffic engineering services to the City of Rolling Hills Estates on a routine basis. This assignment includes assistance with residents and business concerns; preparation of work orders; review and comment on traffic and parking impact studies including environmental documents; analysis and comment on development traffic and circulation patterns; review of traffic signal timing plans; review of traffic control plans; and review of traffic signal, signing and striping plans. This assignment requires preparation of staff reports and attendance at Traffic and Safety Committee meetings. In addition, attendance at City Council and Planning Commission meetings occur as needed to support City staff.



Cost Price

Plan Checking Services

Willdan has reviewed the fee schedule for plan checking services that was included as Attachment A of the Request for Qualifications (included herein as Appendix A). We agree to perform the requested plan checking services in accordance with the Fee Schedule.

Willdan proposes to invoice for plan review services on a plan check completion basis as follows:

Complete Plan Check 1: 60% of plan check fee

Complete Plan Check 2: 25% of plan check fee

Complete Plan Check 3: 10% of plan check fee

Complete Mylar Review: 5% of plan check fee

Additional Services

For additional services, Willdan will perform the agreed upon services on a Time and Materials basis per the attached Schedule of Hourly Rates (Appendix B).

Method of Billing Payment. Willdan will submit to the City of Lake Elsinore no later than the tenth (10th) working day of the month, in the form approved by the City's Finance Director, an invoice for services rendered prior to the date of the invoice. Such invoice will describe in detail the services provided. For projects which are to be compensated at a fixed fee rate, the invoice will itemize fees per plan type and per plan check. Invoices will contain a certification by a principal member of the team specifying that the payment requested is for services performed in accordance with the terms of the agreement. Upon approval, the City shall pay Willdan for all items stated thereon which are approved by the City pursuant to the Agreement no later than forty-five (45) days after invoices are received by the City's Finance Department.

Please see Schedule A in Appendix A regarding Plan Check Compensation.



APPENDIX A

Engineering Plan Check Fee Schedule

Fee includes review of applicable supporting Hydrology and Hydraulics Reports, Geotechnical Reports, utility reports and any other supporting documentation as applicable for the review to meet current City of Lake Elsinore standards, guidelines and requirements. The key resources are the latest edition of the **City of Lake Elsinore Engineering Design Guidelines Manual** for the Preparation and Checking of Street Improvement, Drainage and Grading Plans and Lake Elsinore Standard Drawings which can be found posted at the following City Engineering Department website under "Drawing Standards" <http://www.lake-elsinore.org>

Fee is for up to three (3) plan reviews and one (1) final mylar review for approval – total of 4 reviews. Plan reviews in excess of 4 are billable on a time and material basis. Consultant to notify City and responsible party of excess and additional fees to be charged. The City will invoice and collect additional fees.

Fast Track performance fees shall be 1.5 times those shown above. Fast Track is expedited, on demand with turn-around time between 3 to 5 business days.

The plan check consultant shall receive 85% of the calculated fee for each plan check submittal. Fees are subject to change by City Council action; a minimum of 30-days' notice shall be provide to the consultant plan check firm of any adopted fee changes.



City of Lake Elsinore

- I. GRADING & DRAINAGE PLANS** – Note, an additional plan check fee will be assessed based on the “Road, Street & Utility Improvement Plan” fee schedule below for hardscape improvements shown and to be constructed by the grading plan. Plan check review of those improvements will be part of the plan approval.

CUBIC YARDS	<i>CURRENT CITY GRADING PLAN CHECK FEES</i>
100 Cubic Yards or Less:	\$200.00
101 – 1,000 Cubic Yards	\$220.00 for the first 100 cubic yards, plus \$50.00 for each additional 100 cubic yards or fraction thereof x 91%
1,001 – 10,000 Cubic Yards:	\$670.00 for the first 1,000 cubic yards, plus \$50.00 for each additional 1,000 cubic yards or fraction thereof x 91%
10,001 – 100,000 Cubic Yards:	\$1,120.00 for the first 10,000 cubic yards, plus \$190.00 for each additional 10,000 cubic yards or fraction thereof x 91%
100,001 – 400,000 Cubic Yards:	\$2,830.00 for the first 100,000 cubic yards, plus \$110.00 for each additional 100,000 cubic yards or fraction thereof x 91%
Over 400,000 Cubic Yards:	\$6,130.00 for the first 400,000 cubic yards, plus \$110.00 for each additional 100,000 cubic yards or fraction thereof x 91%
REVISIONS to approved plans	\$450.00 per sheet

II. ROAD, STREET & UTILITY IMPROVEMENT PLANS

SUBDIVISION /COMMERICAL ESTIMATE	<i>CURRENT CITY PLAN CHECK FEES</i>
0-\$50,000	4.5%
\$50,000-\$300,000	4.0%
\$300,000-\$700,000	3.5%
\$700,000-\$1,000,000	3.0%
\$1,000,000 and greater	2.5%
Revised or Redesigned Public Works Improvement Plans	\$450 per sheet
Streetlights as separate plan check, Traffic Signing & Striping, Traffic Control, Haul Route Plans (as part of improvement plan set)	\$450 per sheet
Traffic Control as part of encroachment permit application (11x17)	Per hour rate for review
NON-SUBDIVISION-SINGLE FAMILY RESIDENTIAL	<i>CURRENT CITY PLAN CHECK FEES</i>
Public Works Improvement Plans-Based on Engineer’s Estimate	7.5%



III. OTHER PLAN CHECKS

OTHER PLAN CHECKS	<i>CURRENT CITY PLAN CHECK FEES</i>
Final Tract Map	\$1,700 + \$55 per lot
Parcel Map	\$1,600 + \$45 per lot
Redesigned Tract/Parcel Maps in Process	\$450 per sheet
Revised Approved Tract/Parcel Maps	\$450 per sheet
Lot Line Adjustments-Two Lots Only	\$400
Lot Line Adjustment-More than two lots	\$500 + \$55 per lot
Dedication: Easement, Right of Way	\$440
Certificate of Compliance	\$450
Parcel Merger	\$400 + \$25 per lot
Street Abandonment/Vacation	\$1,100
Certificate of Correction	\$450
Water Quality Management Plan (WQMP) Review - PRELIMINARY	\$1,750.00
Water Quality Management Plan (WQMP) Review - FINAL	\$1,750.00

IV. TRAFFIC STUDIES

The City has current agreements with various Traffic Engineers who can review traffic studies. However, should circumstances require it; consultant may be asked to review traffic studies. Any traffic studies to be reviewed will be provisional for a lump sum fixed fee cost for review. If agreed upon by City, this will be considered a separate task order under the As Needed, On Call Agreement.



APPENDIX B

In addition to plan checking services, Willdan Engineering is a fully staffed engineering design and construction management firm. Our firm was founded as a firm providing municipal engineering services to public agencies in California. We provide staff to client cities on contract/staff augmentation basis and are very familiar with the inner workings of cities. On a daily basis we are involved with public infrastructure planning, finance, design and construction. If the City requires any the services, Willdan is fully prepared to provide them in accordance with the Schedule of Hourly Rates on the next page.



City of Lake Elsinore



WILLDAN ENGINEERING

Schedule of Hourly Rates

Effective July 1, 2020 to June 30, 2022

ENGINEERING		BUILDING AND SAFETY		CONSTRUCTION MANAGEMENT	
Technical Aide I	\$67	Assistant Code Enforcement Officer	\$89	Labor Compliance Specialist	\$120
Technical Aide II	\$87	Code Enforcement Officer	\$102	Labor Compliance Manager	\$150
Technical Aide III	\$107	Senior Code Enforcement Officer	\$120	Utility Coordinator	\$159
CAD Operator I	\$108	Supervisor Code Enforcement	\$145	Assistant Construction Manager	\$150
CAD Operator II	\$125	Plans Examiner Aide	\$95	Construction Manager	\$176
CAD Operator III	\$139	Plans Examiner	\$145	Senior Construction Manager	\$175
GIS Analyst I	\$145	Senior Plans Examiner	\$159	Project Manager IV	\$203
GIS Analyst II	\$164	Assistant Construction Permit Specialist	\$102	Deputy Director	\$211
GIS Analyst III	\$176	Construction Permit Specialist	\$107	Director	\$216
Environmental Analyst I	\$121	Senior Construction Permit Specialist	\$125	INSPECTION SERVICES	
Environmental Analyst II	\$135	Supervising Construction Permit Specialist	\$133	Public Works Observer I***	\$93
Environmental Analyst III	\$144	Assistant Building Inspector	\$120	Public Works Observer II***	\$103
Environmental Specialist	\$155	Building Inspector***	\$133	Senior Public Works Observer I***	\$111
Designer I	\$145	Senior Building Inspector	\$145	Senior Public Works Observer II***	\$123
Designer II	\$150	Supervising Building Inspector	\$159	Senior Public Works Observer III***	\$134
Senior Designer I	\$159	Inspector of Record	\$174	Senior Public Works Observer IV***	\$142
Senior Designer II	\$167	Deputy Building Official	\$174	Senior Public Works Observer V***	\$151
Design Manager	\$170	Building Official	\$176	MAPPING AND EXPERT SERVICES	
Senior Design Manager	\$176	Plan Check Engineer	\$174	Survey Analyst I	\$125
Project Manager I	\$156	Supervising Plan Check Engineer	\$176	Survey Analyst II	\$145
Project Manager II	\$177	Principal Project Manager	\$207	Calculator I	\$125
Project Manager III	\$187	Deputy Director	\$211	Calculator II	\$139
Project Manager IV	\$203	Director	\$216	Calculator III	\$151
Principal Project Manager	\$207	PLANNING		Senior Survey Analyst	\$164
Program Manager I	\$174	CDBG Technician	\$70	Supervisor - Survey & Mapping	\$178
Program Manager II	\$188	CDBG Specialist	\$85	Principal Project Manager	\$207
Program Manager III	\$208	CDBG Analyst	\$100	LANDSCAPE ARCHITECTURE	
Assistant Engineer I	\$121	CDBG Coordinator	\$125	Assistant Landscape Architect	\$125
Assistant Engineer II	\$137	CDBG Manager	\$150	Associate Landscape Architect	\$145
Assistant Engineer III	\$144	Planning Technician	\$107	Senior Landscape Architect	\$159
Assistant Engineer IV	\$149	Assistant Planner	\$133	Principal Landscape Architect	\$176
Associate Engineer I	\$155	Associate Planner	\$145	Principal Project Manager	\$207
Associate Engineer II	\$161	Senior Planner	\$164	ADMINISTRATIVE	
Associate Engineer III	\$168	Principal Planner	\$176	Administrative Assistant I	\$79
Senior Engineer I	\$171	Planning Manager	\$192	Administrative Assistant II	\$95
Senior Engineer II	\$174	Deputy Director	\$211	Administrative Assistant III	\$111
Senior Engineer III	\$177	Director	\$216	Project Accountant I	\$90
Senior Engineer IV	\$185			Project Accountant II	\$105
Supervising Engineer	\$190			Project Controller I	\$111
Traffic Engineer I	\$188			Project Controller II	\$125
Traffic Engineer II	\$203				
City Engineer I	\$203				
City Engineer II	\$213				
Deputy Director	\$211				
Director	\$216				
Principal Engineer	\$235				

*** \$172/hour for Prevailing Wage Project

Mileage/Field Vehicle usage will be charged at the rate in accordance with the current FTR mileage reimbursement rate, subject to negotiation.

Additional billing classifications may be added to the above listing during the year as new positions are created. Consultation in connection with litigation and court appearances will be quoted separately. The above schedule is for straight time. Overtime will be charged at 1.5 times, and Sundays and holidays, 2.0 times the standard rates. Blueprinting, reproduction, messenger services, and printing will be invoiced at cost plus fifteen percent (15%). A sub-consultant management fee of fifteen percent (15%) will be added to the direct cost of all sub-consultant services to provide for the cost of administration, consultation, and coordination. Valid July 1, 2020 thru June 30, 2022, thereafter, the rates may be raised once per year to the value between the 12-month % change of the Consumer Price Index for the Los Angeles/Orange County/Sacramento/San Francisco/San Jose area up to five percent.





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San Bernardino, CA 92408-3586
909.386.0200 | 800.789.7517 | Fax: 909.888.5107

EXHIBIT B
LIST OF SUBCONTRACTORS
[ATTACHED]