

December 19, 2019

City of Garden Grove  
Mark Uphus, Senior Civil Engineer  
11222 Acacia Parkway  
Garden Grove, CA 92842

**Subject: Proposal for 2019 On-Call Inspection Services**

The City of Garden Grove is seeking qualified firms with an outstanding reputation, capacity, knowledge, and proven track record to provide construction inspection services for various capital improvement projects for the City. Willdan Engineering has been providing construction management and inspection services to public agencies throughout California for 55 years. We are well suited to partner with the City of Garden Grove to achieve a fast-track approach for planned infrastructure and development projects. Willdan is especially qualified to provide construction inspection services to the City. Highlighted below are just a few of the advantages Willdan offers:

- **Local Knowledge.** Willdan is currently providing construction management and inspection services to the Cities of Laguna Niguel, Tustin, Newport Beach, Orange, Fountain Valley, Los Alamitos, and Brea. Through these services, we developed a keen understanding of Orange County and its municipal goals and objectives. Willdan's proposed team members – as well as our technical staff resources – are highly familiar with local policies and procedures, funding resources, and state and federal guidelines and standards. This knowledge and experience enable us to quickly initiate projects and respond appropriately to City staff.
- **Highly Skilled Contract Manager.** Mr. Chris Baca, RCI, CESSWI, offers over 36 years of construction management and public works experience. He has successfully managed municipal on-call construction management contracts throughout California.
- **Staffing Resources.** Our corporate-wide bench of staffing resources encompasses licensed and certified technical experts and specialists in construction management, construction observation, geotechnical engineering, and materials testing/inspection. We offer specialists in labor compliance, grant funding administration, public outreach coordination, civil and traffic engineering, and other disciplines including energy, financial, and homeland security. The breadth and diversity of the firm's expertise enables our construction management experts to draw upon the considerable experience of the firm – maximizing efficiency, productivity, and quality in meeting project schedules and budgets.
- **Knowledge of Government Agencies.** Willdan's knowledge of and familiarity with the requirements of Caltrans, Orange County Public Works, Orange County Transportation Authority Department of Public Works (LACDPW), Los Angeles County Community Development Commission (CDC), Department of Housing and Urban Development (HUD), and Los Angeles County Metropolitan Transportation Authority (Metro) are unmatched. In addition, Willdan is highly experienced in implementing the requirements of the National Pollutant Discharge Elimination System (NPDES) Permit, the Americans with Disabilities Act (ADA), and the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (WDR).



- **55-Year Track Record.** Willdan has extensive experience providing a complete range of engineering services to local agencies on an “as-needed” basis and for specific projects. The firm’s capabilities encompass streets and highways, drainage, water/wastewater, signals, traffic programs, bridges and structures, airports, landscaping, and mapping. We provide professional services in all phases of project development, including site analysis and conceptual development; preliminary and final design; and construction observation and administration. We have direct experience with county, state, and federal processes, regulations, and requirements.

This proposal is valid for a minimum of 90 days. We look forward to partnering with the City of Garden Grove to assist in the successful completion of its current and future projects.

If there are any questions regarding this proposal, please contact Mr. Chris Baca, RCI, CESSWI, by mail at Willdan Engineering, 2401 East Katella Avenue, Suite 300, Anaheim, California 92806; by phone at (562) 908-6200 extension 6296, by cell phone at (310) 502-6335; or by email at [cbaca@willdan.com](mailto:cbaca@willdan.com).

Respectfully submitted,

**Willdan Engineering**



Chris Baca, RCI, CESSWI  
*Director of Construction Management and Inspection*

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## Section A – Company Background and Willdan Services

### Brief Firm Background

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.

#### **The Willdan Team:**

- *Delivers the combination of experienced, hands-on skills and perspective that ensures the City of Garden Grove receives high-quality services at a reasonable and competitive cost*
- *Conducts thorough review of project scope to avoid cost overruns*
- *Provides quick response to concerns or questions*
- *Trains staff to look ahead for potential project issues*
- *Provides regular financial progress reports to City staff*
- *Implements detailed, project-specific quality assurance procedures to maintain quality, provide proper quality control, and mitigate our clients' potential liability*

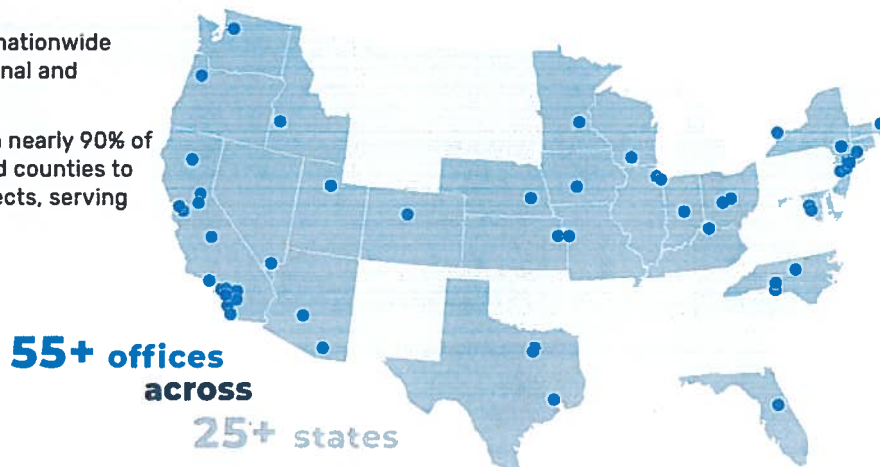
Willdan possesses expertise in most facets of the public sector marketplace. The varied experience and background of our staff is an added value of our services. No other firm matches Willdan's combined breadth of directly relevant technical and operational expertise and depth of experience. Willdan has a vast background in city engineering, traffic engineering, building official staff augmentation, public works administration, development review, public works permitting and inspection, roadway design, construction management, and long-term planning which includes development of capital improvement plans, assessment districts, funding plans, safe route planning, facility master plans, and environmental review documentation.

Throughout our 55 years, Willdan has and continues to maintain a strong financial balance sheet and has the financial and staffing resources to perform and complete all contractual obligations. We have continued to grow to better serve our clients by offering an expanding range of municipal services. Financial information, including information on revenue, earnings, and cash flow, are issued quarterly and can be found at [www.willdan.com](http://www.willdan.com). There are no pending conditions such as bankruptcy, pending litigation, planned office closure, impending merger, etc., that would impede Willdan's ability to provide services to the City of Garden Grove.

### **ABOUT WILLDAN**

Willdan is a leading, nationwide provider of professional and consulting services.

We have worked with nearly 90% of California's cities and counties to deliver 13,000+ projects, serving over 3,400 clients.









## Willdan Engineering Services

Willdan is prepared to provide the City of Garden Grove with On-Call Construction Inspection services. We can also provide Construction Management, Labor Compliance, Geotechnical, Constructability Review, Public Outreach, and Federal Grant Administration as optional services upon City request.

### Construction Management and Inspection

Willdan provides expertise in all areas of project management, construction management, construction contract administration, construction inspection and observation, constructability review, grant funding administration and compliance, labor compliance, and community relations. We specialize in partnering with clients to maintain good community relations with residents and businesses affected by construction. Willdan's corporate philosophy emphasizes strong leadership, cost effectiveness, timely performance, and consistent reciprocal communication with clients and internal and external resources.



Our resident engineers, construction managers, and construction inspectors offer reliable service, quality workmanship, use of good judgment, fair and equitable treatment, and adherence to our corporate integrity. These experienced team members identify and correct discrepancies, ambiguities, omissions, or conflicts in plans, specifications, and bid schedules that might generate misinterpretation and/or lead to agency and contractor disagreements. Our professionals are adept at anticipating issues before they arise through continual review of project plans, specifications, contractors' schedules, and contract documents. Potential problems are brought to the attention of the City's Project Manager and/or the contractor, along with constructive recommendations for solutions, so that costly delays and negative impacts to the public and the project are avoided.

Willdan fosters and instills a corporate culture of **Customer-First** among our staff and in our day-to-day work environment. Our customer-focused philosophy is particularly evident when dealing with complex situations and difficult challenges that are hard to resolve.

### On-Call Construction Inspection Expertise

Willdan has an extensive history of providing on-call construction management and inspection services to municipalities throughout California. We have broad expertise and experience with large and small public works improvement projects involving a myriad of construction improvements such as street reconstruction and rehabilitation, roadway widening, sewers, waterline, drainage, utility relocation, traffic signal, street lighting, parks, slurry seals, and other related improvements. 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 deliver an end product our clients envision and embrace.

#### On-Call Experience Key Advantages:

- *Willdan's history of working with on-call contracts has well prepared our staff to respond to all requests for services in a positive, efficient manner*
- *Delivers the combination of experienced, hands-on skills and perspective that ensures the City receives high-quality service at reasonable and competitive cost*
- *Assures that, in hiring Willdan, clients benefit from the expertise, experience, and professionalism needed to be successful in delivering high-quality projects and services on time and within budget*







We begin our approach by adhering to these basic principles:

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

Willdan also understands the unique aspects 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 is crucial
- Availability of our staff to the work assignment as it develops is often critical to moving that project forward
- 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
- Regular attention to quality assurance and control is particularly important as short-term projects may limit the number of interim review steps often associated with a project-specific contract
- Project demands can fluctuate resulting in additional or reduced needs for deployment of staff

### Optional Services

#### Construction Management and Contract Administration

Our construction management services focus on coordination, review, tracking, reporting, public outreach, cost control, and field inspections to ensure the quality of the work complies with applicable federal funding requirements, LAPM, and the contract documents.

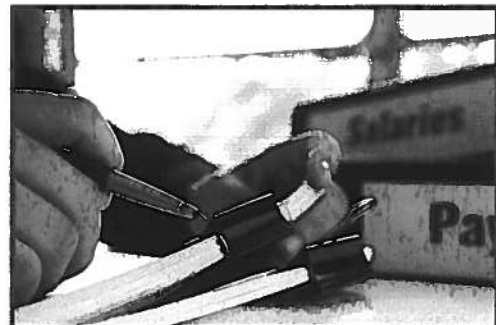
Willdan's construction manager and public works inspector(s) coordinate and work proactively to assist the general contractor's construction efforts. They maintain fluid channels of communication with the Agency's design consultants to technically support the construction effort and the efforts of the Agency in achieving a successful completion with minimum complications. Once construction has begun, Willdan monitors methods and progress to ensure the project is constructed per the plans and specifications.

Additionally, our resident engineer/construction manager will maintain a project-first philosophy with the contractor. When this is achieved, construction is easy, straightforward, and accomplished with a minimum of issues.

#### Labor Compliance Services

Willdan has provided Labor Compliance services for over 25 years. Our team can assist the City in compliance with applicable Federal, State, County and local labor laws. Our labor compliance staff members have completed monitoring and enforcement assignments for public agencies throughout California. Of particular note is our

*Our team members possess experience using BOX and provide required reports utilizing this system or in accordance with City's direction.*







expertise and experience with local Southern California cities such as Highland, Pomona, South Pasadena, Downey, El Monte, Hawaiian Gardens, Inglewood, La Puente, Lakewood, Lynwood, Norwalk, Paramount, Pico Rivera, Rancho Palos Verdes, South Gate, Venice Beach, and Whittier. Willdan's Labor Compliance Management process has been perfected through continual reviews and updates. It maximizes efficiency and minimizes costs while optimizing client comfort. We provide contractor support by phone and email to insure a smooth process throughout the project.

#### **Material Testing/Geotechnical Engineering Services**

Willdan provides the full gamut of geotechnical studies, engineering geology, and materials testing and inspection services. These services include subsurface exploration, geologic and seismic hazard assessment, soil testing, engineering analysis and design, construction support, and special studies. Willdan's soils and materials testing laboratory is licensed by the City of Los Angeles and certified by DSA and Caltrans, and participates in the AMRL and CCRL proficiency programs. We have provided material and foundation reports per Caltrans' guidelines for numerous projects.



#### **Constructability Review**

Our construction management team can perform a constructability review of the plans and specifications, including analysis of quantities and costs, check of construction phasing, full analysis of the contractor's schedule, and applicable requirements for federal funding and reimbursement submittals. They can also review the SWPPP to confirm that the contractor's plan meets QSP/QSD requirements and that all required storm water permits are in place.



#### **Public Outreach**

Our Community Outreach Program has proven effective and valuable for the last 55 years. Our Public Outreach Coordinators provide greater understanding of the City's cause to the general public, residents, and businesses. Willdan has experience conducting Community Outreach Programs to address any concerns and help gain buy-in to support a project. We help clients fulfill their mission to serve the community. In order to engage and educate the community, typically, our efforts begin by identifying key stakeholders in the project area and preparing and distributing mass mailers describing the project's scope, timeline, and expected results. We conduct community workshops and town hall meetings to inform the public of project details and address the public's concerns/ideas. If needed, Public Outreach Coordinators visit impacted business owners to listen, acknowledge concerns, and strive to find solutions addressing these concerns without negatively impacting project completion. Willdan is available to act as liaison between the City and community partners to further the goals of the project.







### Federal Grant Administration

Willdan is thoroughly familiar with regulations pertaining to expenditures of federal, state, county, and local funds, including:

- Arterial Highway Rehabilitation Program (AHRP)
- Surface Transportation Program Local (STPL)
- Safe, Accountable, Flexible, Efficient Transportation Equity Act (SAFETEA-LU)
- Community Development Block Grant (CDBG)
- Highway Bridge Program (HBP)
- State Gas Tax; Hazard Elimination Safety (HES)
- Highway Safety Improvement Program (HSIP)
- Various other grant and funding sources



This knowledge is critical in executing projects funded by federal or state programs that have special permitting and reporting requirements. We have worked extensively for and with the CPUC, all Caltrans Districts, Caltrans Division of Structures, Regional Water Quality Control Boards, and the U.S. Army Corps of Engineers. We have processed numerous permits and approvals through FHWA, CPUC, FRA, CTC, CCC, CDFW, RWQCB, etc. We are familiar with funding, permitting, and procedural requirements of these agencies and have an excellent working relationship with the essential staff involved in local agency programs. Our contacts with personnel in these agencies enable us to facilitate permit processing and compliance when required.

In addition, Willdan has experience preparing and processing various Caltrans forms for local agencies, including state and federal funding forms, checklists, invoices, and reports of expenditures. Willdan has assisted local agencies at various stages of state- and federal-funded projects from the initiating request to final invoicing. Our team stays apprised of revisions to the Local Programs Procedures (LPPs) procedures and forms in the Local Assistance Procedures Manual.

Willdan offers expertise in funding sources to assist our clients with obtaining available funding for current and future capital improvement projects. Together with our grant funding administration experience, our team offers vast knowledge of local/state/federal funding availability, along with administration and procurement requirements, for a wide variety of funding sources.









## Section B – Project Understanding, Approach and Scope of Work

### Project Understanding

Willdan understands that the City of Garden Grove is seeking firms to provide construction inspection services to meet quality control needs for the City's capital projects.

It is our understanding that the City will choose two consultants to perform this work and the work will generally comprise of street improvement, storm drain, water, sewer, and/or traffic signal projects.

Willdan understands that the City's workload may vary over time, there may be periods of little work and periods of a large amount of work requiring multiple inspectors.



**Willdan can meet the demands of the City's project schedule and can accommodate multiple inspectors should multiple inspectors be needed for the project. We have a large pool of 39 Inspectors with a multitude of knowledge and experience able to assist the City's varying needs while minimizing the impact to the City's capital improvement budget.**

Willdan understands that the projects are administered using Caltrans Standard Specifications and water and sewer projects use the "Greenbook." Willdan's proposed team members have wide-ranging experience handling complex public works projects, including those administered by Caltrans. Willdan has detailed knowledge of the current Local Assistance Procedures Manual and can provide project management from the funding procurement stage through project close-out. Though we work under the Caltrans Specifications for the great majority of our contracts, frequently we provide the same services under the "Greenbook" APWA standards.

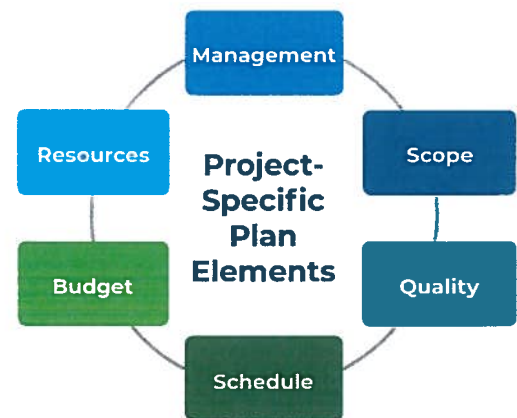


**The Willdan Construction Management and Inspection team has extensive knowledge of Caltrans guidelines. Our proposed team has participated in over 100 successful Caltrans audits and has success managing all types of specially-funded projects.**

### Project-Specific Goals

Willdan's goals for each awarded project include:

- Ensuring Project Success – Provide City and contractor with constant feedback affecting project
- Community Enhancement – Monitor project for conformance to City's high standards
- Impeccable Recordkeeping – Maintain construction files pursuant to City, Willdan, and Caltrans Resident Engineering Manual
- Rigorous Budget Control – Provide weekly budget updates to City Project Manager
- Maintain Schedule – Provide weekly schedule updates and ensure contractor complies with project schedule requirements
- Resident and Business Satisfaction – Provide periodic updates to businesses and residents affected by the project and ensure project is well maintained and project traffic controls are installed per project plans, MUTCD, and City requirements







## Project Approach

Willdan's approach to construction inspection starts with assigning the construction inspector. Our management team will work closely with the City's Project Manager to assign the most qualified individual to each project.



**Our construction inspection services are to be performed in accordance with the provisions of the project specifications, City standard plans, Caltrans Specifications, Greenbook, and Public Works Inspector Manual.**

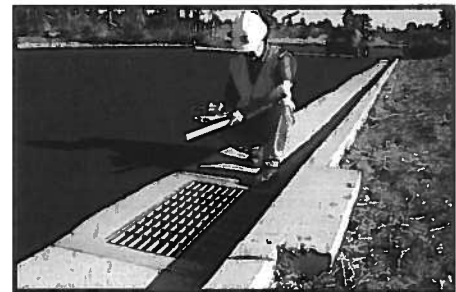
To achieve the aforementioned goals, Willdan's approach to inspection and management of the City's construction projects includes:

- Thorough review of project specifications and plans
- Initial set-up of project-specific construction management files
- Identifying and addressing key project issues prior to start of construction
- Agreement on project-specific quality assurance program
- Arranging the preconstruction meeting and processing RFIs and submittals
- Maintaining detailed project records and providing weekly/monthly reports
- Arranging weekly project meetings to review and address project issues
- Providing qualified inspectors to closely monitor contractor's work and progress
- Providing detailed inspection reports of contractor's daily activities
- Responding to resident and business complaints and questions
- Providing final project close-out documents conforming to City, Willdan, and Caltrans auditing requirements

## Methodology

Willdan's construction management and inspection team strives to anticipate or diminish potential conflicts/issues before they arise through continual review of project plans, specifications, contractor's schedule, and other contract documents. Our team is adept at:

- Anticipating job site conflicts/issues
- Calling job site conflicts/issues to the City's Project Manager's and/or contractor's attention
- Dealing with issues in a professional, straightforward fashion and a solution-based focus



**Our team is trained to firmly, confidently, and professionally discuss unacceptable work practices or unsafe conditions with the contractor. We offer constructive recommendations and always try to achieve cooperation from the contractor.**

Our approach to issue resolution is to:

- Obtain and document the facts surrounding the issue
- Develop reasonable solutions in conjunction with the contractor and City's Project Manager
- Respond quickly and effectively so that job progress and quality do not suffer

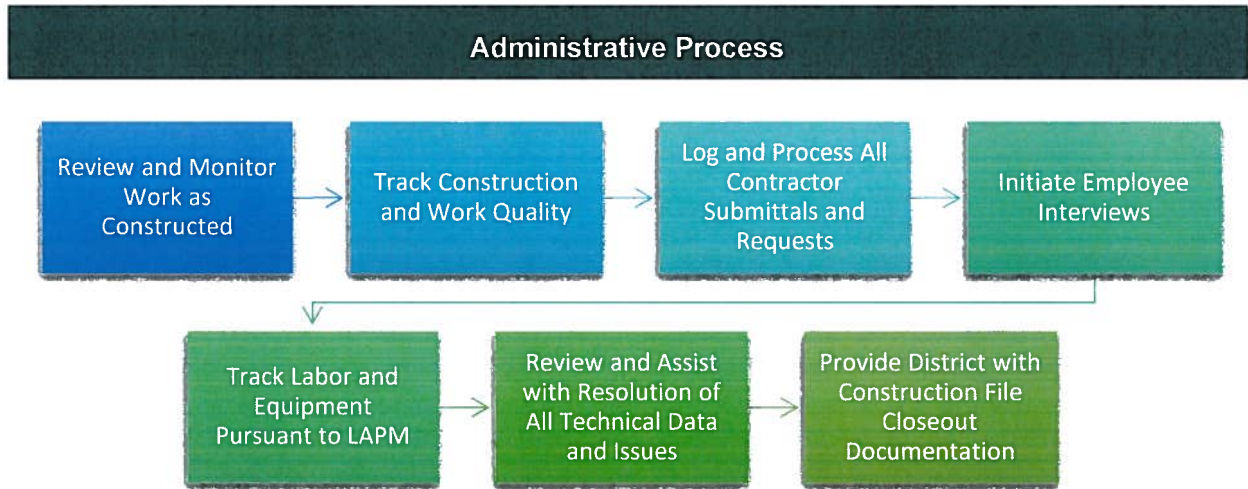
Through close communication with the City's project staff, timely corrective action is taken to alleviate potential adverse impacts of work progress, costly change orders, and construction claims.







Once construction has begun, Willdan will monitor methods and progress to ensure the project is constructed per the plans and specifications:



### Key/Critical Issue Identification



There are many routine aspects that are common to the way every construction project is performed in terms of construction administration and inspection as outlined in our scope of work. However, there are some very important areas, also mentioned in our scope of work, that require special attention and are not part of the routine process. These are:

- Institution of standard procedures for project records and inspection processes conforming to the highest standards for permit inspection is necessary to have effective mitigation of future maintenance issues.
- Schedule and cost management are priority areas for Willdan's inspection team. Our team provides weekly and monthly reports detailing costs to date and projected final cost estimates.
- A project-specific quality assurance program is essential on complex projects to maintain orderly, cost-effective, and comprehensive materials quality control.

### Project Controls

#### Budget Control

The budget control system is prepared in accordance with the work breakdown structure. The budget becomes the control against which performance is measured. The budget is time phased by combining project master scheduling data with budget data. Actual costs are compared with budgeted costs and variances analyzed. Deviations between planned and actual cost can then be evaluated to forecast and control future work. Beginning with electronic timekeeping, project hours are assigned to the appropriate tasks and subtasks and booked as work-in-process. Pre-bill reports are generated that identify the hours to be billed along with any other direct charges to the project. This is the information used to determine each month's invoicing. Once hours and charges are billed, they are shifted from Work-in-Process to Accounts Receivable to ensure that billed hours are inactivated. Monitoring is easily accomplished through team member progress updates and comparisons between the scope of work, schedule, and budget.







### City Liability Mitigation



Our staff understands the importance of accurate documentation and filing to ensure that the City is protected from liability. Applying a uniform standard of excellence is the only way to ensure that documents are written and filed adequately for effective claims avoidance and/or mitigation and resolution.

To maintain quality, provide proper quality control, and mitigate the City's potential liability, our inspection staff is provided with detailed check sheets for a myriad of inspections, including – but not limited to – slurry seal, ARHM overlay, asphalt overlay, traffic signal, storm drain, sewer, water, and other appurtenant work.

### Traffic and Safety



Willdan's in-house seminars include WATCH Manual and MUTCD compliance, storm water abatement and QSP/QSD training, materials testing and placement, and mass grading. Our inspectors are fully knowledgeable in the latest regulations for WATCH Manual, California OSHA, and MUTCD.

Our construction managers and inspectors have the authority and capability to quickly identify any flaws in the contractor's traffic control and safety plans and meet with the contractor to immediately rectify the issue with agreed-upon solutions that meet the requirement standards while avoiding project delays.

### Contractor Compliance



Our inspection staff has extensive experience with a myriad of public works projects and our staff has a clear understanding of the issues surrounding inspection of the work. For example, when constructing sidewalks and ADA-compliant ramps, our inspector will ensure adequate subgrade compaction has been achieved. Inspectors will monitor the work for conformance with the plans, specifications, and ADA requirements. The concrete ticket will be checked to ensure materials match the approved mix design. A smart level will be used to check forms and the contractor will not be allowed to place concrete until the inspector is assured the work meets all City and other applicable standards.

Willdan's inspectors will monitor the contractor's operations for conformance with City compaction standards by working with the City's approved material testing lab and will not accept any trench backfill or allow any pavement repair until proper compaction is verified by the lab.

### Project-Specific Quality Assurance Plan



Quality assurance and control procedures are critical to ensuring that sound practices and quality deliverables are provided to our clients throughout project construction. Willdan's Resident Engineer/QA Assurance Manager, Mr. Mike Bustos, PE, ENV SP, will prepare project-specific quality assurance plans and oversee their implementation and use throughout the term of each project. The basic goal of the quality assurance plan is to provide quality work delivered on time and within budget. It is a primary tool of the project effort with periodic team meetings to:

- Address contractor coordination issues
- Identify key dates to maintain the project schedule

*Willdan adopted Caltrans' Construction Manual and Bridge Construction Records and Procedures Manual, Volumes 1 and 2, as our standard procedures over 25 years ago.*

*Our construction management and inspection staff offer long-term expertise with:*

- Caltrans design procedures
- Caltrans Local Assistance Procedures Manual (LAPM)
- Caltrans Local Assistance Program Guidelines (LAPG)
- Caltrans Standard Plans and Specifications
- State regulatory requirements







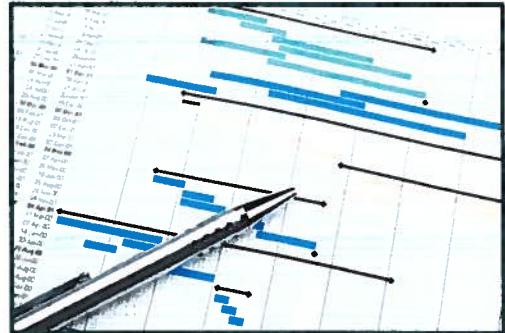


- Investigate constructability
- Discuss construction sequencing
- Track progress

This project-specific plan will include, at a minimum, the project description and objectives; required services; project organization; construction schedule; standards of practice; project procedures; procedures for preparing calculations, drawings, and reports; and procedures for logging, disseminating, and filing correspondence, meeting minutes, and other project-specific documentation.

### Scope of Services/Work Plan

One of the keys to avoiding construction issues is to begin with a well-defined work plan. Willdan will devise a construction inspection work plan for each of the City's projects to provide for any scope required – from simple inspection to complete program and construction management, including design team oversight and management; general contractor's contract administration; project scheduling, budget and controls; building and public works inspections; and materials testing compliance, if requested. As part of our project-specific quality assurance program as described in the Project Controls subsection of Project Management, upon receipt of a task order, our contract manager will prepare a work plan that fully addresses staffing and assignments, scope of work, deliverables, budget, and project schedule. The work plan will provide definitive direction to the project team as agreed to by the City of Garden Grove. At a minimum, the plan will address project team meetings, effective communication mediums, and scheduled quality control processes.



The work plan incorporates our standard procedures for document control and recordkeeping. Our staff is well aware of construction field issues – such as traffic control, testing procedures, public safety, and contractor relations – that may affect a project. Our staff knows the importance of accurate documentation to ensure the City's liability is protected. Applying a uniform standard of excellence is the only way to ensure documents are written and filed appropriately for effective claims avoidance and/or mitigation and resolution.

The work plan incorporates our standard procedures for document control and recordkeeping. Our staff is well aware of construction field issues – such as traffic control, testing procedures, public safety, and contractor relations – that may affect a project. Our staff knows the importance of accurate documentation to ensure the City's liability is protected. Applying a uniform standard of excellence is the only way to ensure documents are written and filed appropriately for effective claims avoidance and/or mitigation and resolution.

Presented herein is Willdan's typical project work plan for Construction Inspection/Public Works Observation. Upon request, Willdan can provide additional services for constructability review and resident engineering. Because our standard procedures already incorporate Caltrans standards and manuals, our typical work plan is fully compliant with requirements for federally funded projects without any adjustment to our normal construction management and inspection processes. As presented in the previous section, Willdan will develop a work plan that is specific to each project awarded.

### Task 1 – Construction Inspection

1. Review plans, specifications, and all other contract- and construction-related documents.
2. Conduct field investigation to become familiar with existing facilities and project environment.
3. Become familiar with traffic control plans, construction schedule, construction sequence, and permit requirements from other agencies.
4. Prior to project start, track survey monument and tie preservation/replacement.
5. Verify that contractor conforms to design survey line and grades.
6. Attend weekly progress meetings with resident engineer, contractor, and subcontractors.







7. Provide full-time and as-needed construction inspection, including night inspection, of work to monitor materials and methods for compliance with plans, specifications, and contract documents; address and document non-conforming items as they are discovered.
8. Monitor compliance with Cal OSHA requirements and compliance with all local, state, and federal regulations. Although Willdan will monitor activities, it is contractor's sole responsibility to provide workers with safe working environment.
9. Assist City's labor compliance manager with federally-compliant labor and equipment reports, labor classification interviews, and assist with certified payroll review.
10. Monitor compliance with Clean Air Act and Clean Water Act (National Pollutant Discharge Elimination System – NPDES best management practices). Also, monitor contractor's compliance with approved SWPPP.
11. Meet with contractor at beginning of each day and review proposed work plan, including specific details that may affect progress.
12. Log, track, review, and process submittals, RFIs, releases for construction (RFCs), contract change orders (CCOs), field directives, notices of proposed change (NOPCs), non-conformance reports (NCRs), construction schedule, and detailed traffic control plan.
13. Conduct daily measurements of quantities of work with contractor.
14. Review actual contractor performance throughout day and discuss discrepancies with contractor as they occur.
15. Assist in coordination of engineering support, surveying, special inspections, and field work by utility companies.
16. Ensure compliance of Underground Service Alert notification/delineation.
17. Evaluate contractor's operation and production with respect to quality and progress and report to resident engineer.
18. Photograph continuous property frontages along street alignment once prior to construction and once immediately following construction. Maintain photographic record of key elements of each major operation of work each day, with increased detail in situations of potential changes or claims.
19. Closely monitor testing results and require contractor to provide corrective measures to achieve compliance.
20. Maintain copies of all permits needed to construct project and enforce special requirements of each.
21. Prepare and maintain detailed daily diary inspector reports on construction progress.
22. Prepare clear and concise letters and memoranda, as needed. Establish solid paper trail.
23. Maintain field file bound workbooks during construction, including cumulative record of quantities constructed, daily and weekly reports, working day reports, change order documentation, photographs, and other documentation.
24. Review construction schedule and enforce requirements for updating schedules and maintaining appropriate progress of work.
25. Analyze delays and review claims on timely basis; make recommendations to construction manager.
26. Assist with review and evaluation of change order work.
27. Provide complete measurements and calculations documented to administer progress payments.







28. Maintain and submit red-lined set of plans for as-built corrections on record drawings to be filed with City. (City's design consultant will transfer contractor's record drawings to original Mylar drawings.)
29. Prepare punch list at substantial completion and follow up with contractor on correction progress.
30. Schedule final inspection with City and applicable agencies; prepare, distribute, and inspect corrections to final punch list for completion; and recommend final acceptance.
31. Prepare documentation for final payment to contractor.
32. Upon project completion, provide finished set of project workbooks to City.



**Sample documentation of our daily inspection reports, statement of working days, and quantity sheets have been provided in the Appendix of this Proposal for the City of Garden Grove's consideration.**

### **Task 2 – Project Closeout**

1. Review, finalize, and transmit the contractor's approved record drawings (as-built) to the City.
2. Schedule a final inspection with the City and applicable agencies; prepare, distribute, and inspect corrections to the final punch list for completion; and recommend final acceptance.
3. Secure and transmit required guarantees, affidavits, releases, waivers, and operation manuals to the City's Project Manager.
4. Finalize contract bid items, claims, change orders, and punch list items.
5. Prepare documentation for final payment to the contractor.
6. Provide a redline set of as-built plans and prepared as-built drawings.
7. Prepare all final reports including report of completion for acceptance of the project.
8. Finalize and deliver all construction files to the City ready for archiving in both electronic and hard copies.
9. Address any unresolved issues, including, but not limited to, change orders, claims, etc.
10. Complete documentation required by various funding sources and other regulatory authorities.

#### **Our Clients Are Our Priority**

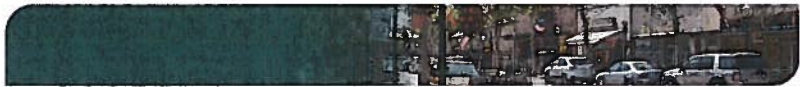
- *Thorough review of project bid items to avoid cost overruns*
- *Quick response to resident and business complaints or questions*
- *Field staff trained to look ahead for potential project issues*
- *Regular financial project reports provided to City staff*
- *Detailed check sheets maintain quality, provide proper quality control, and mitigate our clients' potential liability*

### **Deliverables**

- **Daily Logs.** Willdan's inspection personnel will provide detailed daily logs at the end of each work week.
- **As Built Plans.** As-built plans will be provided on a weekly basis with final plans submitted within five days after cessation of work.
- **Quantity Sheets.** Quantity sheets to support progress payments will be submitted monthly and will include Willdan's payment recommendations.
- **BMP Reports.** BMP reports will be submitted with the daily reports.
- **Final Construction Inspection Files.** The final construction inspection file will be submitted with 15 days after cessation of work.







### **Task 3 – Constructability Review (Optional)**

1. Conduct a thorough review of the construction plans and specifications, including analysis of quantities and costs, check of construction phasing, full analysis of the contractor's schedule, and applicable requirements for federal funding and reimbursement submittals.
2. Identify the elements of construction that could be substituted with more efficient materials and associated methods.
3. Provide a thorough review of the construction sequence necessary to complete the improvements included in the construction contract.
4. Verify through in-house design support consultation that each identified item of concern is interpreted properly.
5. Once a set of recommended corrections is developed, verify that time constraints do not impact implementation.
6. Prepare a report of findings and outline recommendations to reconcile issues discovered and generally to expedite the project.

### **Task 4 – Resident Engineering (Optional)**

1. Conduct thorough review of soils report, construction plans, and specifications and review schedule section of proposed project specifications for conformance with Caltrans standards.
2. Prepare list incorporating items of concern such as difficulties completing any construction element, conflicts between elements or environment, elements of construction that could be substituted with more efficient materials and methods, or elements of construction that are not appropriately compensated by bid schedule and include potential recommended corrections.
3. Review project quantities and bid items and review engineer's estimate of work.
4. Review documentation for compliance with stakeholder agencies' requirements for traffic control plans, construction scheduling and sequencing, and permitting, including DBE good faith efforts if applicable.
5. Confirm that the contractor's SWPPP plan meets QSD/QSP requirements and all storm water permits are in place.
6. Verify that method for determining weather-related construction delays is included in contract.
7. Verify that specifications include appropriate language requiring on-the-job training.
8. Verify that specifications require contractor to submit monthly schedule updates with progress payment requests and weekly submission of two-week look-ahead schedule.
9. Revise City's boilerplate specifications to include requirement for contractor to submit conditional releases with each progress payment request and unconditional releases with final payment request.
10. Provide thorough review of construction schedule.
11. Attend prebid site meeting.
12. Coordinate design revisions, requests for information (RFIs), and other appurtenant work with City's design consultant.
13. Attend bid opening.
14. Review three lowest bids and DBE good faith efforts.
15. Verify low bidder's qualifications and prepare bid summary, contract award recommendation, and notice of award.

### **Task 5 - Public Outreach (Optional)**

1. Prepare and distribute informational flyers to residents and business owners within the project area prior to, at project midway, and near project completion, advising:









- Scope of project and timeline
  - Estimated completion days
  - Possible impact to surrounding area(s)
  - Suggested measures business owners / residents can adopt
  - If applicable, traffic control measures taken to minimize construction impacts to business owners / residents
  - If applicable, maps of detours will be provided
  - Construction operations that may affect ingress and egress to particular properties
2. Setup a 24-hour telephone number to receive questions/concerns from community partners. Willdan will respond to question/concerns within 24 hours, or in the case of a weekend, on the next business day. Provide the City with periodic updates in the form of a log depicting the details of the issue and resolution.
  3. Hold informational meetings with area residents and business owners, consisting of two meetings prior to construction and one meeting during construction.
  4. Ensure establishment of detours and access to businesses, resolving any issues arising from detours.
  5. Create Social Media pages (Facebook and Twitter) for the project allowing community partners to make comments and express concerns regarding the project.

#### **Task 6 – Construction Management (Optional)**

1. Assist City with public awareness and information program to keep residents and local stakeholders advised of project status along with impacts to traffic flow circulation, including answering public's questions about project.
2. Prepare construction file. A copy of Willdan's LAPM file checklist can be provided upon request.
3. Ensure contractor distributes public construction notices and places construction and information signs.
4. Prepare special concerns to be presented at preconstruction conference.
5. Conduct preconstruction meeting, prepare meeting minutes, and distribute to attendees.
6. Review contractor's safety program in consultation with City staff.
7. Through Willdan's system of project control, monitor activities related to project such that project is constructed in timely fashion pursuant to contract documents and LAPM.
8. Log, track, review, and process submittals, RFIs, releases for construction (RFCs), contract change orders (CCOs), field directives, notices of proposed change (NOPCs), non-conformance reports (NCRs), construction schedule, and detailed traffic control plan.
9. Closely review schedule and advise contractor to take action on schedule slippage.
10. Document contractor's 20-day notices, mechanic's liens, and stop notices.
11. Assume responsibility for coordination with inspection staff and City staff.
12. Monitor and coordinate activities of design engineering support, surveying, testing, and work by utilities or other agencies.
13. Coordinate contractor's field work with utility companies and other agencies.
14. Prepare weekly statement of working days and submit to contractor and City.
15. Provide monthly progress report. A sample of Willdan's monthly report can be provided upon request.
16. Establish and conduct weekly construction progress meetings to:







- Resolve all old business issues to maximum extent possible
- Address all items of new business as presented by any party
- Review project schedule and address any deviations
- Review submittal log in terms of items needed and resubmittals required and review RFI, RFC, CCO, NCR, and NOPC logs
- List status of construction items recently undertaken or ongoing
- List planned construction items for next two weeks (two-week look ahead schedule)
- Review SWPPP issues
- Review contractor's safety program

A sample of Willdan's weekly meeting minutes can be provided upon request.

17. Prepare minutes for weekly construction progress meeting.
18. Provide claims mitigation monitoring, including proactively applying foresight to discover unforeseen conflicts prior to contractor encounter.
19. Evaluate and respond to contractor's requests for clarification of plans and specifications.
20. Ensure that all questions, conflicts, and issues are immediately brought to City's attention and addressed with appropriate directives to contractor.
21. Conduct special site meetings, when necessary, with contractor and City staff to review job progress, scheduling, and coordination.
22. Perform quantity, time, and cost analyses required for negotiation of contract changes.
23. Negotiate and prepare change orders, including memorandum of explanation and cost estimates, to substantiate change order and send to City for review.
24. Monitor and perform immediate and thorough analysis of validity of all potential claims that arise.
25. Maintain all data for change orders and record information with regard to time of dispute, time of notification by contractor, and action taken by inspector.
26. Monitor materials documentation and testing results and enforce corrections.
27. Review for approval contractor's progress payment requests, including verifying LAPM compliance status and impact on payment; negotiate differences over amount with contractor; and process payments through City's Project Manager.
28. Monitor preparation of punch list at substantial completion and follow up.
29. Routinely review construction files to ensure conformance to City standards and good construction management practices.
30. Ensure City receives as-built set of drawings at completion.
31. Assist City with stop notices and release of retention.
32. Provide memorandum of clearance to issue notice of completion.
33. Finalize and deliver all construction files and supplies to City for their records.

#### **Task 7 – Geotechnical and Materials Testing (Optional)**

1. Attend meetings, as needed, with project team.
2. Review existing geotechnical reports and project plans and specifications.
3. Observe and test during clearing and grubbing, grading, shoring installation, foundation excavation, site utility trench backfilling, and subgrade preparation.
4. Perform laboratory testing.
5. Provide continuous soils engineering support during construction.
6. Provide certified reinforced concrete inspector during reinforcing steel placement and all structural concrete placement.







7. Verify compliance with approved project plans, specifications, and applicable code requirements.
8. Sample and test concrete for compressive strength.
9. Provide certified reinforced concrete inspector during placement of any epoxy/anchors and screw anchor placement.
10. Inspect placement of any epoxy/anchors and screw anchor placement for compliance with plans and specifications.
11. Monitor placement of any epoxy/anchors and screw anchor placement.
12. Provide qualified technician as required for concrete placement and as inspector backup for large or elevated pours and torque testing.
13. Sample and test concrete/for slump, temperature, compressive strength, and sampling rebar for testing, if required.
14. Provide engineering support, inspector/technician coordination, dispatch, material engineering review, test reporting, QA/QC, and administrative support services.
15. Submit reports/updates of ongoing tests; i.e., seven-day and off-schedule breaks.
16. Submit final report of completed laboratory tests; i.e., 28-day results for concrete.
17. Submit – for City review – daily field-testing and inspection reports indicating information pertinent to inspections performed and compliance/non-compliance with project documents and applicable codes.

#### **Task 8 – Utility Coordination (Optional)**

1. Send utility notice of preconstruction meeting to affected utility companies and agencies.
2. Review scope of work for possible conflicts with utility companies.

#### **Task 9 – Labor Compliance (Optional)**

1. If applicable, attend pre-bid conference to present general requirements of bid preparation for project.
2. Verify applicable wage determination 10 days prior to bid opening and document verification as required. If wage determination has changed from what appears in project specifications, provide addendum and proof of receipt by bidders.
3. Verify eligibility of selected contractor and its subcontractors to receive contract awards by confirming current, active license status with State of California Contractors License Board and non-appearance on Federal List of Parties Excluded (debarment list).
4. Attend preconstruction conference to present federal labor compliance requirements to contractor and subcontractors and prepare minutes and attendance record.
5. Verify and document jobsite posting of wage rate information and labor compliance posters.
6. Receive and review labor compliance documentation from inspectors and compare with contractor-submitted documents. Monitor weekly payroll documentation on continuous basis, including certified payroll reports, fringe benefit statements, apprenticeship documentation, and payroll deduction authorizations.
7. Follow up with contractor by telephone and/or certified mail regarding required document submittals and payroll discrepancies.
8. Coordinate withholding of progress and/or retention payments with City staff if contractor fails to abide by labor compliance requirements.
9. Receive, pursue, and document labor complaints and recommend special action to be taken if contractor continuously fails to comply with requests and requirements.
10. Maintain content and format of federal labor compliance file in conformance with applicable government requirements.
11. Coordinate project file reviews by authorized county, state, and federal agencies.







12. Submit complete federal labor compliance file to City for retention (federal labor compliance files are to be retained for period of not less than three years).

#### Task 10 – Funding Submittals for Federally Funded projects through Caltrans (Optional)

1. Send copy of notice of preconstruction meeting to Caltrans.
2. Prepare local agency contract award checklist.
3. Prepare detail estimate and summary and finance letter based upon low bid.
4. Obtain from contractor Local Agency Bidder –DBE Commitment (construction contracts) and Local Agency Bidder – DBE Information (construction contracts) based upon low bid.
5. Prepare resident engineer's construction contract administration checklist to help local agency with administration of federal-aid project.
6. Submit to Caltrans DLAE Item Nos. 2 through 5 along with City-provided data for engineer's final opinion of probable construction cost, contractor's bid, bid analysis, executed contract, and as-advertised plans and specifications.
7. Prepare progress invoice at least every six months based upon contractor's contract progress reports and submit to Caltrans DLAE.
8. Prepare federal report of expenditures letter and report of expenditures checklist based upon statement of working days.
9. Prepare local agency final inspection form to initiate Caltrans' jobsite review and verification of project completion.
10. Prepare materials certificate for resident engineer's signature to show that results of tests on acceptance samples indicate materials incorporated in construction work and construction operations controlled by sampling and testing conformed with approved plans and specifications.
11. Prepare final invoice, final detail estimate and summary, and change order summary Caltrans exhibit forms based upon contractor's final contract progress report.
12. Submit to Caltrans DLAE Item Nos. 2 through 5 and attach Final Report – Utilization of DBE, First Tier Subcontractors and DBE Certification Status Change to initiate timely project closure and payment.
13. Following receipt of final payment check from State Controller's Office, include documents and submittals in federal funding file, and make PDF-formatted file on CD for City.

#### Deliverables (for Optional Services)

- **Constructability Review.** Willdan will provide requested reviews within five business days of the notice to proceed.
- **Preconstruction Minutes.** Willdan's Resident/Engineer Construction Manager will provide the preconstruction meeting minutes within three working days of the meeting date.
- **Weekly Report.** Detailed weekly reports will be submitted at the end of each work week.
- **Monthly Report.** The required monthly report will be submitted with the monthly progress payment.
- **Progress Payments.** Payments will be submitted monthly and will include Willdan's payment recommendations.
- **Material Testing Results.** Material testing field notes will be provided weekly basis and final reports will be submitted with the monthly report.
- **Final Construction Management Files.** The final construction management file will be submitted with 15 days after cessation of work.









## Section C – Personnel Qualifications

### Staff Skills

#### Training and Certifications

Willdan's inspectors are trained to provide construction inspection on a project-by-project basis. Each project has its own set of needs that must be met with the goals of anticipating potential conflicts/issues before they arise through continual review of plans, specifications, contractor schedules, and other documents. Willdan recognizes that our employees are our most important resource. We provide them with professional development, flexibility, challenge, active listening, and recognition of the strengths they bring to our team. Willdan uses various tools to successfully



retain high-performing staff. Monetary incentives, including bonuses, to show appreciation of exemplary performance are provided annually based upon specific parameters. Providing tuition reimbursement for staff to obtain or earn further academic credentials is another tool we successfully utilize to encourage professional development and, thus, ensure that staff continue to provide exemplary service. Willdan's staff members receive tuition reimbursement to complete Bachelor's and Master's degrees and attend seminars and extension courses to further develop their skills. We encourage staff to obtain professional licenses and credentials to enhance their capacity to serve our clients. We pay for courses to prepare for examinations and certifications such as PE, QSP/D, CESSWI, ENV SP, ACIA, or APWA certifications and reimburse staff for certification or license renewals.

Specific to our construction management and inspection staff, Willdan conducts bi-annual in-house seminars, including WATCH Manual and MUTCD compliance, storm water abatement and QSP/QSD training, materials testing and placement, and mass grading. These seminars have all been conducted by Willdan registered engineers who are experts in their respective fields.

#### Inspection Certifications



Our inspectors are provided with an outline of performance standards that each inspector is required to meet and uphold. Most of our inspectors have American Construction Inspectors Association certification and attend regular seminars, college courses, and in-house presentations to keep current on construction technologies. Inspectors are required to provide proof of certifications and Willdan assists with payment of the certification/license fees. Many of Willdan's inspectors have obtained their QSP, ACIA, or APWA certifications through this reimbursement program. Our inspectors are encouraged to participate in online safety classes conducted by Click-Safety and attend special in-house training from our traffic professionals on traffic control safety.

#### Safety Training

Onsite project safety is of paramount importance to Willdan, our clients, general contractors and their subcontractors, and communities we serve. As part of our corporate philosophy, Willdan makes every effort to provide training opportunities for our construction management/inspection office and field personnel. This includes Cal OSHA construction safety requirements, claims control, and project scheduling. Willdan provides online Cal OSHA safety training for each of our inspectors through Click-Safety online training courses. Every inspector must obtain, at minimum, their 30-hour OSHA certification and are encouraged to continue their safety education by enrolling in any Click-Safety applicable construction safety training course. In addition to on-line safety training, Willdan provides bi-annual in-house safety training to each of our inspectors, construction managers, and on-site personnel.







**Project Team Identification**

Willdan's Contract Manager, Mr. Chris Baca, RCI, CESSWI, has assembled a proposed team of highly qualified individuals with extensive expertise in resident engineering, construction management, inspection, labor compliance, materials testing, and utility coordination. The organization chart contained herein identifies our project team members and their roles. The chart further illustrates the communication and reporting relationships among our team members. This is far from an exhaustive list of our staffing resources and is shown to assist the City in evaluating our staff.

**Contract Manager Qualifications**

<b>Chris Baca, RCI, CESSWI</b>	<b>Project Role:</b>	<b>Office Location:</b>
	Contract Manager and Public Outreach Lead	Industry

**Summary Profile:**

- BS, Public Administration, California State University, Fullerton
- Public Works Inspection, California State University, Los Angeles Extension
- Asphalt Paving, Contract Administration and Change Orders for Federally Funded Projects Seminars
- Inspection Principles, Public Contact, Slurry Seal, and Traffic Signal Inspection and Design Seminars
- Registered Construction Inspector, Division IV, Public Works, California No. 4161
- Registered Construction Inspector, Division I, Engineering, California No. 5161
- Certified Erosion, Sediment and Storm Water Inspector, EnviroCert International, Inc. No. 2957
- 36 Years of Experience

**Municipal Agency Experience:**

- Contract Manager – On-Call Inspection, City of Long Beach
- Contract Manager – On-Call Public Works Inspection, City of Laguna Niguel
- Contract Manager – On-Call Public Works Inspection, City of Tustin
- Contract Manager – On-Call Water Services, Liberty Utilities
- Project Manager – Elizabeth Reservoir, Booster Station and Well No. 29, City of South Gate

**Mr. Chris Baca, RCI, CESSWI**, will be responsible for implementing our proposed services. Mr. Baca has extensive experience in the construction management and inspection of large-scale public works projects. He will supervise, manage, and coordinate field personnel and their activities to ensure that all project requirements are met. He supervises a staff of 39 full-time managers/observers and a number of on-call observers; he will monitor the activities of the construction inspection team assigned to this project to ensure that project construction files and documentation are complete.



**Mr. Chris Baca, RCI, CESSWI, is completely committed to delivering high-quality services and providing the staffing and resources required to keep this project on schedule. Our inspectors will be committed to the project once assigned.**

In order to ensure we meet this commitment; we prepare labor projections for all of our projects. Projections are made for each individual task and then aggregated by the division/regional manager to produce division/office-wide labor needs and to identify shortages or surplus.

Labor planning for all projects will be done on an individualized basis. The contract manager will identify the names of the people required to complete each outstanding task and calculate the hours for each person. This will be entered on our project staffing requirement form on a weekly basis. For activities that do not require a specific person, this estimate will be done on a position basis. Project staffing assignments will be made with a view to matching the experience of personnel with the degree of project complexity. Because resources are often shared within or among divisions, our project managers are involved in staff workload projections.







## Key Staff

<b>Mike Bustos, PE, ENV SP</b>	<b>Project Role:</b> Resident Engineer and QA/QC Manager	<b>Office Location:</b> Ventura
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### Summary Profile:

- BS, Civil Engineering (Magna Cum Laude), California Polytechnic State University, San Luis Obispo
- Civil Engineer, California No. 73173
- Caltrans Resident Engineer Academy
- Envision Sustainability Professional, Institute for Sustainable Infrastructure
- 19 Years of Experience

### Municipal Agency Experience:

- Construction Manager/Resident Engineer - Elizabeth Reservoir, Booster Pump Station, and New Well No. 29, City of South Gate
- Resident Engineer - Water Infrastructure Reliability Project, City of Santa Monica
- Resident Engineer/QA/QC Manager - Bastanchury Roadway Widening, City of Yorba Linda
- QA/QC Manager - Miscellaneous Alleys Projects and Cliffwood Industrial Park, City of Brea
- Resident Engineer/QA/QC Manager - Firestone at Paramount Intersection Improvements, City of Downey

<b>Jason Brown</b>	<b>Project Role:</b> Construction Manager and Public Works Observation Lead	<b>Office Location:</b> San Bernardino
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### Summary Profile:

- Public Works Inspection, Fullerton Community College
- Construction Inspector, California No. 5510
- Construction Inspector, California No. 5510
- Construction Inspector, California No. 5510
- Construction Inspector, California No. 5510

### Municipal Agency Experience:

- Construction Manager - On-Call Inspection, City of Long Beach
- Construction Manager - Cedar SR2S Project, City of Rialto
- Construction Manager - Paramount Boulevard Water System Improvements CIP 18-17, City of Downey
- Construction Manager - Traffic Signal Linden and Riverside Avenues, City of Rialto
- Construction Manager - Arterial Street Resurfacing FY 2017, City of Paramount

<b>Jane Freij</b>	<b>Project Role:</b> Labor Compliance Manager	<b>Office Location:</b> Industry
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### Summary Profile:

- BA, Linguistics, University of Kansas
- Attorney Assistant Training Program, Litigation/Corporations, University of California, Los Angeles
- 25 Years of Experience

### Municipal Agency Experience:

- Third-Party Labor Compliance Officer – Mesa Water District Facility Improvements, City of Costa Mesa
- Labor Compliance Manager - Water and Sewer Improvements, City of Grover Beach
- Labor Compliance Officer – La Brea Avenue Pavement Reconstruction, Phases II and III, City of Inglewood
- Labor Compliance Officer – Orange County Great Park, City of Irvine
- Third-party Labor Compliance Officer– Orange County Animal Care Facility, City of Tustin

<b>Mohsen Rahimian, PE, GE</b>	<b>Project Role:</b> Geotechnical Engineer/Material Testing	<b>Office Location:</b> Anaheim
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### Summary Profile:

- MS, Civil Engineering, Tehran University, Tehran, Iran
- Civil Engineer, California, No. C73396
- Geotechnical Engineer, California, No. 3059
- 30 Years of Experience

### Municipal Agency Experience:

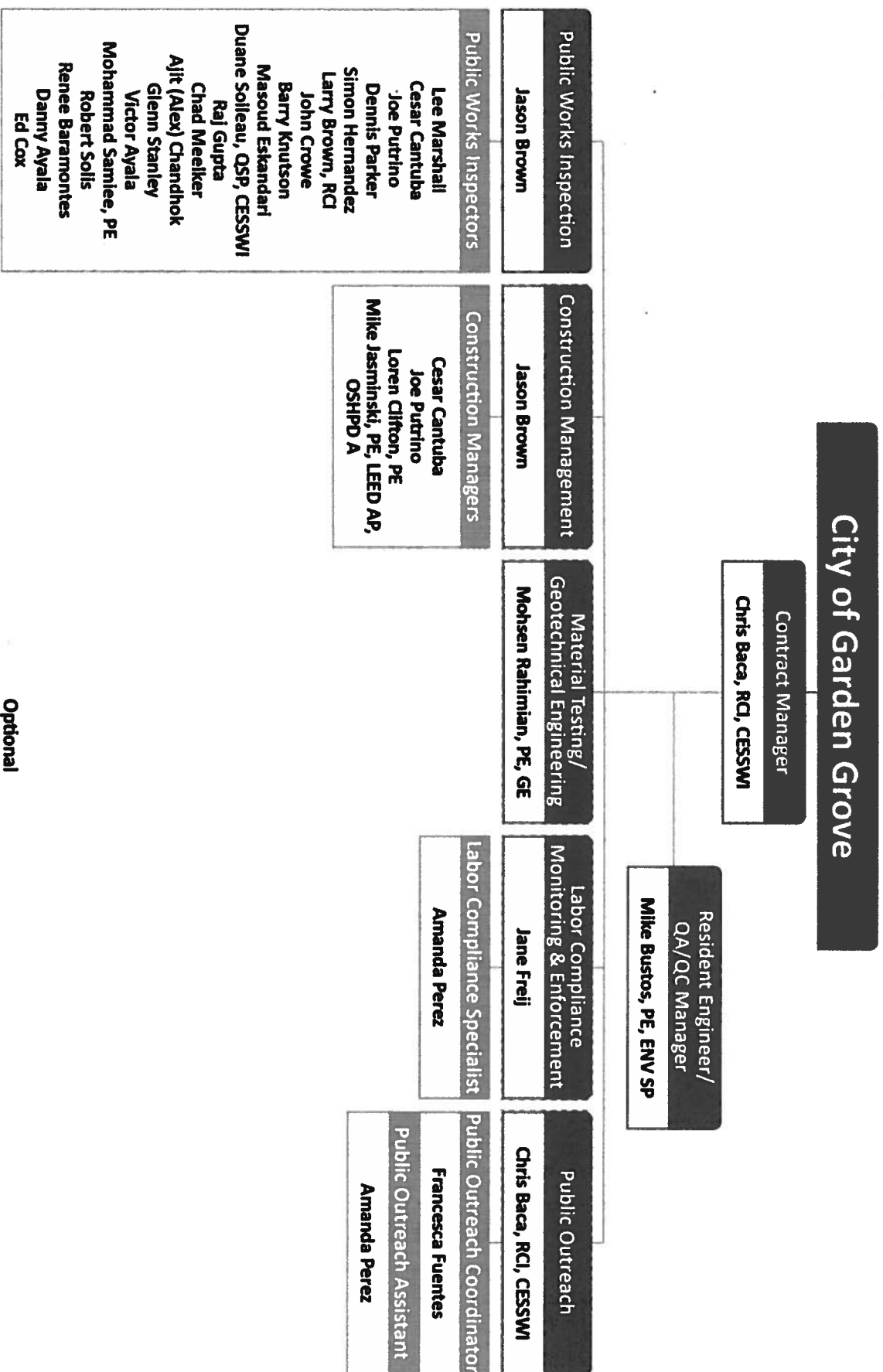
- Geotechnical Engineer – Cedar Storm Drain, City of Rialto
- Geotechnical Engineer – Elizabeth Reservoir, Booster Station and Well No. 29, City of South Gate
- Geotechnical Engineer – Paramount Boulevard Water System Improvements, City of Downey
- Geotechnical Engineer – Water Mains, City of Pomona
- Geotechnical Engineer – Fire Station No. 4 Remodel and Expansion City Project 15-25, City of Palm Springs







**Staff Organization Chart**



Optional









**Support Staff**

Below is a chart detailing our extensive support staff who are available to assist the City of Garden Grove with their current and future capital improvement projects.

Name	Role	Years' Experience	Education/Credentials
Lee Marshall	Construction Inspector	21	<ul style="list-style-type: none"> <li>▪ Certificate, General Street Maintenance, Citrus Junior College, Glendora</li> <li>▪ Certificate, Street Delineation, Citrus Junior College, Glendora</li> </ul>
Dennis Parker	Construction Inspector	40	<ul style="list-style-type: none"> <li>▪ Civil Engineering Courses, Cal Poly, Pomona, CA</li> <li>▪ Caltrans Certifications: Steel, Concrete, Asphalt, Welding SWPPP</li> <li>▪ Technology Course for Public Works, Saddleback Community College, Orange, California</li> <li>▪ E-Rail certified</li> <li>▪ Roadway Workers certified</li> <li>▪ CIC certified</li> <li>▪ Fall protection certified and trained</li> <li>▪ American Construction Inspectors Association: Rubberized Asphalt Plant Inspection</li> <li>▪ Certification in Safety on Job Sites</li> <li>▪ OSHA Certifications: Trenching and Excavations</li> <li>▪ First Aid and CPR Certified</li> <li>▪ Competent Person Certified</li> </ul>
Simon Hernandez	Construction Inspector	23	<ul style="list-style-type: none"> <li>▪ Post Certification and Continuing Education Program, San Bernardino Valley College</li> <li>▪ Construction Inspector, California No. 5181</li> <li>▪ Concrete Paving, Slurry Seal and Traffic Signals</li> <li>▪ Toxler Nuclear Soils Testing Equipment</li> <li>▪ Maccos Trench Shoring</li> <li>▪ AQMD PM-10</li> <li>▪ Public Works Certification California State University, Los Angeles</li> </ul>
Larry Brown, RCI	Construction Inspector	33	<ul style="list-style-type: none"> <li>▪ National Institute for Certification in Engineering Technologies (NICET) 97346</li> <li>▪ Level I Certification in Transportation Engineering Technology/Highway Construction.</li> <li>▪ Level II Certification in the field of Construction Materials Testing Asphalt, Concrete and Soil</li> <li>▪ American Concrete Institute (ACI) Level I Concrete Field Technician</li> <li>▪ Caltrans Certificate of Proficiency for Acceptance Testing for the following test methods: 125, 201, 202, 216, 227, 231, 375, 504, 518, 526, 533, 539, 540, 547 and D2922.</li> <li>▪ Boart Longyear (CPN) Radiation Safety and Use of Nuclear Gauges</li> <li>▪ California B-1 General Contractor's License No. 560363</li> </ul>
John Crowe	Construction Inspector	15	<ul style="list-style-type: none"> <li>▪ American Concrete Institute (ACI) Level I Concrete Field Technician</li> <li>▪ Caltrans Certificate of Proficiency for Acceptance Testing for the following test methods: 125, 201, 202, 216, 227, 231, 375, 504, 518, 526, 533, 539, 540, 547 and D2922.</li> <li>▪ Boart Longyear (CPN) Radiation Safety and Use of Nuclear Gauges</li> <li>▪ California B-1 General Contractor's License No. 560363</li> </ul>







Name	Role	Years' Experience	Education/Credentials
Barry Kruijson	Construction Inspector	36	<ul style="list-style-type: none"> <li>▪ Construction Estimating, Electrical House Wiring, Heat Vent A/C Systems, Fullerton College, Fullerton</li> <li>▪ Graduate, Carpenter's Union Apprenticeship School Local 1815</li> <li>▪ General Contractor, California No. B-1</li> </ul>
Masoud Eskandari	Construction Inspector	26	<ul style="list-style-type: none"> <li>▪ B.S. Mechanical Engineering, University of Detroit, MI</li> <li>▪ Managing Construction Projects; Proving Pricing, Defending Delay &amp; Disruption Claims;</li> <li>▪ Estimating Electrical Projects</li> <li>▪ QSD/QSP Certificates</li> <li>▪ CESSWI Certificate (pending)</li> </ul>
Duane Soileau, GSP, CESSWI	Construction Inspector	29	<ul style="list-style-type: none"> <li>▪ GSP (Storm Water)</li> <li>▪ CESSWI (Storm Water)</li> <li>▪ IMSA (Traffic Signals)</li> <li>▪ Acceptance Tester (Caltrans)</li> <li>▪ Concrete Inspection (SDSU)</li> <li>▪ Traffic Control (ATSSA)</li> <li>▪ Nuclear Gauge (CPN)</li> <li>▪ Asphalt Pavement (Asphalt Institute)</li> <li>▪ Concrete Inspection/Testing (ACI)</li> </ul>
Raj Gupta	Construction Inspector	23	<ul style="list-style-type: none"> <li>▪ B.S., Civil Engineering, B.I.T. College, Bangalore India</li> <li>▪ AQMD PM-10 Certification (In Progress)</li> </ul>
Chad Meelker	Construction Inspector	16	<ul style="list-style-type: none"> <li>▪ Civil Engineering, California Polytechnic State University, Pomona</li> </ul>
Ajit (Alex) Chandhok	Construction Inspector	43	<ul style="list-style-type: none"> <li>▪ MS Environmental Science and Management, West Coast University, Los Angeles</li> <li>▪ BS Marine Engineering, University of South Shields, United Kingdom</li> <li>▪ BS Mechanical Engineering, Regional Engineering College, Rourkela, India</li> <li>▪ Certificate, Marine Tanker Safety</li> <li>▪ Certificate, DNV Surveyor, (Norwegian Class)</li> <li>▪ Certificate, Crude Oil Washing</li> <li>▪ Certificate, Inert Gas</li> <li>▪ Certificate, C2 Cal Confined Spaces in Construction 2017</li> <li>▪ Update, ClickSafety, 2017</li> <li>▪ Certificate, CAL OSHA 10</li> <li>▪ Construction, ClickSafety, 2015</li> <li>▪ Certificate, Chief</li> <li>▪ Engineer Class 1</li> <li>▪ Certified, Heavy Equipment Trainer</li> </ul>







Name	Role	Years' Experience	Education/Credentials
Glenn Stanley	Construction Inspector	20	<ul style="list-style-type: none"> <li>• Technology Course for Public Works, Saddleback Community College, Orange, California</li> <li>• E-Rail certified</li> <li>• Roadway Workers certified</li> <li>• CIC certified</li> <li>• American Construction Inspectors Association: Rubberized Asphalt Plant Inspection</li> <li>• OSHA Certifications: Trenching and Excavations</li> <li>• First Aid and CPR Certified</li> <li>• Competent Person Certified</li> <li>• Certification in Safety on Job Sites</li> <li>• Fall protection certified and trained</li> </ul>
Victor Ayala	Construction Inspector	41	<ul style="list-style-type: none"> <li>• Certificate, Fiber Optic Theory, Air Quality Management District</li> <li>• Certificate, Professional Development, Asphalt Institute</li> <li>• Contractor, California No. C-10</li> </ul>
Mohammad Samiee, PE	Construction Inspector	27	<ul style="list-style-type: none"> <li>• MS. Computer Science, West Coast University, Los Angeles, California</li> <li>• BS, Civil Engineering, California State Polytechnic University at Pomona</li> <li>• Civil Engineer, California, No. 46172</li> <li>• Registered QSD, California</li> </ul>
Robert Solis	Construction Inspector	45	<ul style="list-style-type: none"> <li>• Pierce College, Woodland Hills, CA – Major in Architectural Engineering</li> <li>• State of California, General Engineering Contractor</li> <li>• Caltrans Certification – MBE</li> </ul>
Renee Bracamontes	Construction Inspector	21	<ul style="list-style-type: none"> <li>• 1980, Theater &amp; General Education Courses, California State University, Carson, CA</li> <li>• 1977, Business &amp; Theater Courses, Harbor College, Wilmington, CA</li> <li>• 1976, Business Courses, El Camino College, CA</li> <li>• LACDPW Employee Training Program</li> <li>• Modelnetics (1994)</li> <li>• Basic Supervision Course (1993)</li> <li>• 40 Hr. Health/Safety Training for Hazardous Waste Workers (certification maintained)</li> </ul>
Danny Ayala	Construction Inspector	42	<ul style="list-style-type: none"> <li>• Asphalt Pavement, Asphalt Institute Certificate</li> <li>• Fugitive Dust Control, South Coast Air Quality Management District Certificate</li> <li>• Fiber Optic Theory Certification</li> <li>• File Management Workshop Certification</li> </ul>
Edward Cox	Construction Inspector / Utility Coordinator	39	<ul style="list-style-type: none"> <li>• United Association Local 250 Apprentice Program</li> </ul>







Name	Role	Years' Experience	Education/Credentials
Cesar Cantuba	Construction Manager / Construction Inspector	12	<ul style="list-style-type: none"> <li>▪ BS, Architecture (partial completion), Technical Institute of the Philippines</li> <li>▪ Certificate Graduate, Interior Design, The Philippine School of Interior Design</li> </ul>
Joe Putrino	Construction Manager / Construction Inspector	37	<ul style="list-style-type: none"> <li>▪ College of the Desert, Palm Desert</li> <li>▪ Uniform Building Code, Fire Code, and ADA Codes, Bergen Community College</li> <li>▪ Construction Management, Architectural Drafting, and Blueprint Reading Courses</li> <li>▪ Certified Building Inspector, International Code Council</li> <li>▪ Certified Plumbing Inspector, International Code Council</li> <li>▪ Certified Mechanical Inspector, International Code Council</li> <li>▪ Contractor License Class A, No. 636747</li> </ul>
Loren Clifton, PE	Construction Manager	33	<ul style="list-style-type: none"> <li>▪ BS, Civil Engineering, California State University, Chico</li> <li>▪ Civil Engineer, California, No. 52167</li> <li>▪ General Contractor, California No. B-452908</li> <li>▪ Caltrans State and Federal Regional Infrastructure Funding</li> <li>▪ Caltrans Project Engineer, Resident Engineer and Materials Engineering Academy</li> <li>▪ EPA Stormwater Pollution Prevention Program Certification</li> <li>▪ Negotiation/Contract Specifications Writing</li> </ul>
Mike Jasminski, PE, LEED AP, OSHPD A	Construction Manager	40	<ul style="list-style-type: none"> <li>▪ BS, Civil Engineering, Worcester Polytechnic Institute, Worcester, MA</li> <li>▪ Licensed Professional Engineer in California and Nevada</li> <li>▪ Class A OSHPD Inspector Certification, A-20563</li> <li>▪ SCRRA Railroad training, 2411B13</li> <li>▪ Licensed Professional Engineer in California and Nevada</li> <li>▪ Class A OSHPD Inspector Certification, A-20563</li> <li>▪ SCRRA Railroad training, 2411B13</li> </ul>
Francesca Fuentes	Public Outreach Coordinator	14	<ul style="list-style-type: none"> <li>▪ BS, Communications, University of Arkansas, Fayetteville</li> </ul>
Amanda Perez	Labor Compliance Specialist / Public Outreach Assistant	10	<ul style="list-style-type: none"> <li>▪ AS, Human Resources Management, Mount San Antonio College</li> <li>▪ AS, Business Administration, Mount San Antonio College</li> <li>▪ Certificate of Achievement, Business Management I-III</li> <li>▪ Certificate of Achievement, Human Resources Management I-III</li> <li>▪ Certificate of Achievement, International Business I</li> </ul>









**Key Staff Resumes**

**Chris Baca, RCI, CESSWI**

**Project Manager**

Profile Summary	
<b>Education:</b>	<ul style="list-style-type: none"> <li>▪ <i>BS, Public Administration, California State University, Fullerton</i></li> <li>▪ <i>Public Works Inspection, California State University, Los Angeles Extension</i></li> <li>▪ <i>Asphalt Paving, Contract Administration and Change Orders for Federally Funded Projects Seminars</i></li> <li>▪ <i>Inspection Principles, Public Contact, Slurry Seal, and Traffic Signal Inspection and Design Seminars</i></li> </ul>
<b>Registration:</b>	<ul style="list-style-type: none"> <li>▪ <i>Registered Construction Inspector, Division IV, Public Works, California No. 4161</i></li> <li>▪ <i>Registered Construction Inspector, Division I, Engineering, California No. 5161</i></li> <li>▪ <i>Certified Erosion, Sediment and Storm Water Inspector, EnviroCert International, Inc. No. 2957</i></li> </ul>
<b>Experience:</b>	<ul style="list-style-type: none"> <li>▪ <i>36 Years</i></li> </ul>

**Mr. Christopher D. Baca** is responsible for directing and monitoring public works inspection services and overseeing construction observation personnel. His experience includes construction management of large-scale projects in areas of water systems; street improvements; park improvements; storm drains; sanitary sewers; asphalt resurfacing, including asphalt-rubber products; concrete paving; landscaped medians; and traffic signals. Mr. Baca is also familiar with inspection and contract administration of federally-funded projects in accordance with Caltrans' Local Assistance Program Manual. During his 36 years of experience, Mr. Baca has served as a senior public works observer, permit inspector, construction manager and project manager.

**Relevant Project Experience**

**On-Call Inspection, City of Long Beach, California.** Contract Manager. Willdan is providing on call public works inspection and construction management and material testing services for various projects throughout the City of Long Beach. Typical services provided under this on call contract include observation and monitoring of the contractor's daily activities, taking daily photographs of the construction progress, documenting nonconformance items, tracking quantities, and preparing as built plans. Mr. Baca is responsible for oversight and scheduling of construction administration and inspection for multiple projects throughout the City.

**On-Call Public Works Inspection, City of Laguna Niguel, California.** Contract Manager. Willdan is providing on call public works inspection for various CIP and permitted projects throughout the City. Mr. Baca is responsible for project management and oversight of various construction projects inspected by Willdan.

**On-Call Public Works Inspection, City of Tustin, California.** Contract Manager. Willdan is providing on-call construction inspection services for the City of Tustin. Under this contract, Willdan is working on multiple projects, including the widening of Tustin Ranch Road and Irvine Boulevard intersection. This project consisted of realigning the northbound and southbound lanes on Tustin Ranch Road to accommodate dual left turn pockets for both directions. Willdan also works on the City's annual major street maintenance project every summer, which typically consists of concrete and asphalt repairs, pavement grinding and ARHM overlay of city streets, slurry seal, raising of manholes and utility valves, striping, and traffic signal loops. Mr. Baca is responsible for project management and oversight of various construction projects inspected by Willdan.

**On-Call Water Services, Liberty Utilities.** Contract Manager. Willdan has provided inspection services for various Liberty Utilities (Formerly known as Park Water) projects throughout the Los Angeles County through an on-call contract since 1993. The projects typically involve installation of water main line, services, hydrants services, and other appurtenant work. Typical services provided under this on call contract include observation and monitoring of the contractor's daily activities, taking daily photographs of the construction progress, documenting nonconformance items, tracking quantities, and preparing as built plans.







**On-Call Construction Permit Inspection Services, City of Desert Hot Springs, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various land development and encroachment permit construction projects inspected by Willdan through our on-call public works inspection services contract with the City. Projects inspected under this contract include Morongo Industrial Park, SCE Vegetation Removal, Bunch Palms Trail, City Hall Cold Water Service Installation, Casa Blanca Restaurant, and multiple SCE and Southern California Gas utility installation projects.

**On-Call Construction Management and Observation Services, City of South Pasadena, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various construction projects managed and/or inspected by Willdan through our on-call public works inspection and construction management services contract with the City.

**On-Call Construction Inspection Services, City of Newport Beach, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various construction projects inspected by Willdan through our on-call public works inspection services contract with the City.

**Public Works Inspection and Construction Management Services, City of Chino, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various construction projects managed and/or inspected by Willdan through our on-call public works inspection and construction management services contract with the City. The projects typically involve asphalt overlays, full street construction, street lighting, traffic signals, water lines, wastewater, drainage improvements, PCC repairs, and other appurtenant work.

**Public Works On-Call Services, City of Downey, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various construction projects managed and/or inspected by Willdan through our on-call public works inspection and construction management services contract with the City. Projects completed under this on call contract include the Firestone Blvd and Paramount Blvd Intersection Improvements Project, Promenade Project, Firestone Blvd Improvement Project (between Brookshire and Lakewood Blvd), Lakewood Boulevard Improvements Phase 3C, Firestone Boulevard Water System Improvement Project. and the Paramount Blvd Water System Improvement Project.

**Public Works On-Call Construction Management and Inspection Services, City of Rialto, California.** Project Manager. Mr. Baca is responsible for project management and oversight of various construction projects managed and/or inspected by Willdan through our on-call public works inspection and construction management services contract with the City. Since 2013, Willdan has been responsible for providing construction management and inspection services on various land development, tenant improvements, and capital improvement projects during construction. We have successfully completed over 30 projects for the City in the last five years. Through our on-call contract with the City, Willdan has provided construction management and inspection services for various types of projects, including private permitted developments, curb, gutter, and sidewalk improvements, parks, tenant improvements, traffic signals, annual street overlays/slurry seals, parking lot improvements, street improvements, utility installations, and storm drain improvements.

**Media District Signal Project – Bid Schedule 1426, City of Burbank, California.** Project Manager. Willdan provided construction inspection services for this federally funded project. The project was funded by the Highway Safety Improvement Program and involved the construction of safety improvements at various intersections along Riverside Avenue, Olive Avenue, and Pass Avenue, including ADA ramps, removal and modification of existing medians, traffic signal modifications, drainage improvements, signing and striping, and other appurtenant work.

**Azusa Avenue, City of Azusa, California.** Project Manager. Willdan provided construction engineering services for the City of Azusa's downtown rehabilitation project. The project included pavement rehabilitation on Azusa Avenue from Fifth Street to Santa Fe Avenue including cold milling, drainage improvements, PCC, crosswalks and bus pads, minor concrete repairs, landscaping and irrigation, AC overlay, traffic detector loops, thermoplastic striping, and other appurtenant work. Willdan's services included resident engineering, public works inspection, federal invoicing, labor compliance, and material testing services.







## Mike Bustos, PE, ENV SP

Resident Engineer / QA/QC Assurance Manager

### Profile Summary

<b>Education:</b>	<ul style="list-style-type: none"> <li>▪ BS, Civil Engineering (Magna Cum Laude), California Polytechnic State University, San Luis Obispo</li> <li>▪ Caltrans Resident Engineer Academy</li> </ul>
<b>Registration:</b>	<ul style="list-style-type: none"> <li>▪ Civil Engineer, California No. 73173</li> <li>▪ Envision Sustainability Professional, Institute for Sustainable Infrastructure</li> </ul>
<b>Experience:</b>	<ul style="list-style-type: none"> <li>▪ 19 Years</li> </ul>

Mr. Michael D. Bustos is responsible for design and construction management of projects such as roadway reconstructions, drainage improvements, pipelines, pavement rehabilitation, street improvements, and grading. Mr. Bustos has served as resident engineer for over a dozen federally- and state-funded projects over the last five years. He has gained valuable experience in on-site construction management, off-site construction administration, inspection, design, and plan checking during his 19 years with Willdan.

### Relevant Project Experience

**As-Needed Inspection Services, City of Ventura, California.** Project Manager. Mr. Bustos was responsible for project management and oversight of various land development and encroachment permit construction projects inspected by Willdan through our on-call public works inspection services contract with the City. Willdan provided on call construction inspection services for land development projects throughout the city including monitoring of materials and methods toward compliance with plans specifications and contract documents; addressing and documenting nonconforming items as they were discovered scheduling final inspections with the City and applicable agencies; preparing distributing and inspecting corrections to the final punch list for completion; and recommending final acceptance.

**Elizabeth Reservoir, Booster Pump Station, and New Well No. 29, City of South Gate, California.** Construction Manager/Resident Engineer. Willdan provided construction management, inspection, material testing, deputy inspections, and labor compliance services for the Elizabeth Reservoir and Booster Pump Station at the Well No. 28 site, and the new Well No. 29, at the Santa Fe Tank Site. The \$10 million project included construction of a new 1.8-million-gallon reservoir and booster pump station; seismic retrofit of an existing elevated tank; drilling and equipping of a new well; 10,000 LF of 6-inch, 8-inch, and 12-inch water distribution main and appurtenances; street resurfacing; and other pertinent site improvements. Willdan's construction management and inspection team ran weekly construction meetings with the City and contractor (including preparation of agendas and minutes); reviewed, logged, and processed all submittals, RFIs, drawing revisions, and change orders; coordinated all building department inspections; and provided all public work inspection and special inspections.

**Water Infrastructure Reliability Project, City of Santa Monica, California.** Resident Engineer. Willdan provided construction management and inspection services for the project. The project included the installation of over 4,800 LF of 8" and 12" water main gate valves, fire hydrants, and other appurtenant work at the following locations: 17th Street, Pearl Street to Ocean Park Blvd, Ocean Park Blvd, 14th Street to 18th Street, Ocean Avenue, Pico to Bay Street, Ashland Avenue, 3rd Street to 4th Street, Grant Avenue, 6th Street to Lincoln Blvd. This project was funded by the U.S. EPA Grant.

**Bastanchury Roadway Widening, City of Yorba Linda, California.** Resident Engineer/QA/QC Manager. Willdan provided construction management inspection, material testing, and other related services for the City of Yorba Linda's Bastanchury Road Widening Project. The project involved construction of new street widening, retaining walls, drainage improvements, Filterra units, sidewalk, curb/gutter, asphalt overlay, street lighting, landscaping and irrigation, street reconstruction, and other appurtenant work on Bastanchury Road between Eureka Avenue to Lakeview Avenue.

**Miscellaneous Alleys Projects and Cliffwood Industrial Park, City of Brea, California.** QA/QC Manager. Willdan is providing construction management and inspection services for the City's Alley Project No's. 7315, 7316, 7317, and 7461. Project No. 7315 involves rehabilitation of the alley east of Redwood Ave between Birch St. and Ash St, including reconstruction of the asphalt pavement, concrete pavement, curb, and two driveways. Project No. 7316 involved the rehabilitation of the alley East of Puente St,







between Joyce Dr and Walling Ave, including reconstruction of the asphalt pavement, concrete pavement, 4-foot-wide longitudinal gutter, and driveway. Projects Nos. 7317 & 7461 involve rehabilitation of streets and waterline improvements for the Cliffwood Industrial Tract, including replacement of approximately 5,500 linear feet of existing water mains and the rehabilitation and reconstruction of the commercial streets in the Cliffwood Tract. The project also includes the removal and replacement of existing damaged sidewalk, concrete curb and gutter, curb ramps, cross gutters, and localized AC pavement, along with the adjustment of existing utilities to grade, traffic signage and striping, traffic control, and all other improvements required to complete the project.

**Firestone at Paramount Intersection Improvements, City of Downey, California.** Resident Engineer/QA/QC Manager. Willdan provided construction management and inspection services for this \$1.6 million construction project. The project included street widening at the intersection of Firestone Blvd and Paramount Blvd, the 2nd highest volume intersection within the City of Downey. The general nature of the work included raised medians, new curb, gutter, and sidewalk, driveway approaches, traffic signal replacement, CMU walls, landscaping and irrigation, ARHM paving, utility adjustments, and striping.

**Westside Water and Sewer Main Replacement Program Phase 1, City of South Gate, California.** Construction Manager. Responsible for overseeing contract administration, construction management, materials testing, and public works observation for this groundwater treatment project. Willdan provided construction management and public works observation services for the City's water and sewer main replacement project. The project included replacement of 1,000 LF of 12" DIP, 17,600 LF of 8" DIP, and 950 LF of 6" DIP water mains, and 450 LF of 12" VCP and 1,700 LF of 10" VCP sewer mains. Existing water mains were abandoned in place, while the existing sewer mains were removed from the trench and new mains installed in the same alignment. Total construction cost was approximately \$4.5 million. Mr. Bustos was responsible for contract administration, review and response to RFIs, submittals, and change order requests, oversight of material testing and inspection services, and served as the primary point of contact for the City.

**Paramount Boulevard Water System Improvements CIP 18-17, City of Downey, California.** Resident Engineer. Willdan provided construction management and inspection services for this water system improvement project on Paramount Boulevard from Firestone Boulevard to Florence Avenue. The project involved the installation of new ductile iron potable water main, gate valves, tees and bends, thrust blocks, and appurtenant fittings; installation of new fire hydrant assemblies, water service lines, meters and boxes; and other appurtenant work.

**Annual Street Resurfacing, Capital Projects FY 17-18, City of Westlake Village, California.** Quality Assurance Manager. Willdan prepared plans and specifications for the joint pavement rehabilitation project. The cities combined annual street resurfacing projects to take advantage of cost savings realized by the economy of scale of bidding out one large project that encompasses work within both cities. The project was administered by the City of Westlake Village and managed through a joint agreement between the two cities. Willdan was responsible for construction management, inspection, and materials testing for the portion of work within the City of Westlake Village. The project included digouts, tree root repairs, crack treatment, cold milling, AC overlay, ARHM overlay, profile milling, slurry seal, parking lot seal coats, utility adjustments, traffic detector loops, and pavement delineation. Work within Westlake Village includes improvements within First Neighborhood, Three Springs Neighborhood, Triunfo Canyon Road, and La Tienda. Twining Laboratories provided materials testing services for the project as a subconsultant to Willdan.

**China Lake – Bowman Traffic Signal, City of Ridgecrest, California.** Quality Assurance/Resident Engineer. Willdan provided construction management, inspection, federal funding compliance, labor compliance, and materials testing services for construction of a new traffic signal at the intersection of China Lake Boulevard and Bowman Road. The project also included a new signal interconnect conduit from Bowman Road to College Heights Boulevard.

**HVP T5520 Offsite Improvements CM, City of Fillmore, California.** Quality Assurance/Project Manager. Through our on-call contract with the City of Fillmore, Willdan is providing construction management and inspection services for the developer-built and City-maintained offsite storm drain improvements associated with construction of Tract 5520. The project includes approximately 1,750 LF of Double RCB, 1,100 LF of Single RCB, 800 LF of open channel, and 600 LF of RCP. Reinforced concrete boxes were constructed as both cast in place boxes and precast boxes.









## Jason Brown

### Construction Manager and Public Works Observation Lead

#### Profile Summary

<b>Education:</b>	▪ Public Works Inspection, Fullerton Community College
<b>Registration:</b>	▪ Construction Inspector, California No. 5510
<b>Experience:</b>	▪ 28 Years

Mr. Jason Brown serves as both a Construction Manager and Supervising Public Works Observer for Willdan. His duties include the inspection and management of large-scale public works improvement projects. His experience includes the construction administration and inspection of subdivisions, traffic signals, storm drains, sanitary sewers, ARHM overlay, conventional asphalt overlays, and street beautification projects. In addition, Mr. Brown has experience with specially funded projects, such as ISTEA and CDBG. During Mr. Brown's 28 years of experience with Willdan, he has served as a Permit Inspector for the Cities of Paramount, Bell Gardens, and Rosemead.

#### Relevant Project Experience

**On-Call Inspection, City of Long Beach, California.** Construction Manager. Willdan is providing on call public works inspection and construction management for various projects throughout the City of Long Beach. Typical services provided under this on call contract include observation and monitoring of the contractor's daily activities, taking daily photographs of the construction progress, documenting nonconformance items, tracking quantities, and preparing as built plans.

**Cedar SR2S Project, City of Rialto, California.** Construction Manager. Willdan provided construction management, inspection, material testing, and labor compliance services for the City's SR2S Project. The project included extensive street improvements, including construction of sidewalk, curb and gutters, and driveways; installation and/or relocation of signage; relocation of utilities; and other work as indicated in the specifications and plans.

**Paramount Boulevard Water System Improvements CIP 18-17, City of Downey, California.** Construction Manager. Willdan provided construction management and inspection services for this water system improvement project on Paramount Boulevard from Firestone Boulevard to Florence Avenue. The project involved the installation of new ductile iron potable water main, gate valves, tees and bends, thrust blocks, and appurtenant fittings; installation of new fire hydrant assemblies, water service lines, meters and boxes; and other appurtenant work.

**Tim Spencer Alley CM/Inspection, City of Davis, California.** Construction Manager. The project consisted of improvements within Tim Spencer Alley, including water main demolition, water main and sanitary sewer main installation, pavement resurfacing, CIP sewer main lining, temporary water sewer bypass, water sewer service installations, asphalt and concrete demolition, grading, PCC improvements, ADA compliant ramps, street furniture, landscaping and street lighting, and other appurtenant work.

**Imperial Highway Improvements, CB 17-18, City of Inglewood, California.** Construction Manager. This project involves the pavement rehabilitation and other street improvements of an approximate 1.5-mile segment of arterial roadway on Imperial Highway between Prairie Avenue and Van Ness Avenue. The project consists of traffic signal modifications at four major intersections; 7,000 LF of fiber optic conduit and cable; cold milling existing AC pavement; rubberized asphalt concrete overlay; removal and replacement of driveway approaches, sidewalks, curbs and gutter; ADA compliant curb ramps; AC pavement; PCC pavement; PCC bus pads; signing and striping; and other appurtenant work.

**Construction Management, District Nos. 3A & 3B, City of La Canada Flintridge, California.** Construction Manager. Willdan provided construction management and inspection services for the extension of a new sewer system to 1,600 homes, consisting of 100,000 feet of 8-inch sewer main and 47,000 feet of 6-inch laterals for District Areas 3A and 3B.

**Slurry Seal on Various Streets FY 2018-19, City of La Puente, California.** Construction Manager. Willdan provided engineering design and project management services for the Slurry Seal Program on Various Streets FY 2018-19.







**Traffic Signal Linden and Riverside Avenues, City of Rialto, California.** Construction Manager. Willdan provided professional construction engineering services for the subject project. The project included traffic signal improvements at the intersection of Linden and Riverside Avenue, including the installation of new ADA compliant ramps, curb returns, sidewalk, asphalt pavement, installation of new traffic signals, and other appurtenant work. Willdan provided construction management and inspection services on the project.

**Towne Avenue Phase 2, (Lexington Avenue to Riverside Drive), City of Pomona, California.** Construction Manager. This project involved providing construction management and observation for the City's street improvement project. This project included minor concrete repairs, removal and replacement of existing asphalt, cold milling, ARHM overlay, and other appurtenant items of work. Willdan also provided labor compliance and material testing. This was an ARRA funded project.

**2016/17 Overlay Project No. 170804, City of Rialto, California.** Construction Manager. Willdan provided construction engineering services for the 2016/17 annual street overlay project with the City of Rialto. The street rehabilitation project included asphalt overlay to various streets throughout the City.

**Arterial Street Resurfacing FY 2017, City of Paramount, California.** Construction Manager. Willdan provided engineering design followed by construction observation and federal labor compliance monitoring and enforcement for the resurfacing of arterial streets in the City of Paramount on Alondra Boulevard from Gundry Avenue to Hunsaker Avenue and traffic signal modifications at various intersections. This project was federally funded with FHWA/STPL funds and Caltrans administered.

**Miro Way Improvements - Phase I Storm Drain, City of Rialto, California.** Supervising Public Works Inspector. Mr. Brown provided oversight of Willdan's inspection staff. Willdan provide public works inspection for the City's Miro Way Improvements, Phase I Storm Drain. The project involved the installation of 10,000 LF of RCP, manholes, catch basins, and other appurtenant work.

**Palos Verdes Drive North Rehabilitation, City of Rolling Hills Estates, California.** Public Works Inspector. Willdan provided labor compliance, construction management, and construction inspection services for the CDBG funded project for the rehabilitation of Crenshaw Boulevard to Rolling Hills Road.

**Street Rehabilitation FY 2007-08, City of Rolling Hills Estates, California.** Willdan provided professional engineering design, pavement engineering, monument restoration, utility coordination, contract administration, and construction observation services for the City's street rehabilitation FY 2007-08 project. The project included street overlay to prevent more serious and costly deterioration that may lead to complete reconstruction.

**Asphalt Concrete Overlay, City of Rolling Hills Estates, California.** Mr. Brown provided construction observation services for this project. The project involved design, design survey, utility coordination, monument restoration, contract administration, and construction observation services for the City's 2004-05 Asphalt Concrete Overlay program.







## Jane Freij

### Labor Compliance Manager (Optional Service)

#### Profile Summary

<b>Education:</b>	<ul style="list-style-type: none"> <li>▪ BA, Linguistics, University of Kansas</li> <li>▪ Attorney Assistant Training Program, Litigation/ Corporations, University of California, Los Angeles</li> </ul>
<b>Experience:</b>	▪ 25 Years

**Ms. Jane E. Freij** is an experienced Project Manager with a proven track record achieved through comprehensive and effective management of time and budget. Key areas of expertise include project needs analyses, scheduling and budgeting, contract administration/negotiation, legal documentation, policy and procedure development, and writing and editing. As a Supervising Labor Compliance Manager, Ms. Freij provides oversight of labor compliance monitoring services for federally funded projects under FHWA, FTA, HUD, and EPA, as well as state, county, and locally funded projects with varied compliance requirements. She is familiar with the FHWA federal funding administration process from field review and request for authorization to final invoicing and has specialized training in reporting requirements and fraud detection and prevention procedures.

#### Relevant Project Experience

**Mesa Water District Facility Improvements, City of Costa Mesa, California.** Third-Party Labor Compliance Officer. Two contemporaneous projects (Replacement of HVAC and Roof for Administration and Water Damage Repairs for Operations) had a combined construction cost of \$2.2 million and two dozen construction contractors. Ms. Freij worked directly with the prime contractor, monitoring and enforcing prevailing wage requirements and ensuring timely submittal of payroll and supporting documentation.

**Water and Sewer Improvements, City of Grover Beach, California.** Labor Compliance Manager. This project involves replacing 2,100 linear feet of PVC water lines, valves, fire hydrants, and laterals; has an estimated construction cost of \$1,686,495; a construction period of approximately eight months; and begins in early 2020. The project is funded by a Community Development Block Grant (CDBG) and is administered by the State of California Housing and Community Development Department (HCD). Ms. Freij and her team will ensure compliance with prevailing wage and labor requirements through jobsite interviews, detailed certified payroll review, and audits; they will provide regular written reports as required.

**La Brea Avenue Pavement Reconstruction, Phases II and III, City of Inglewood, California.** Labor Compliance Officer. These projects, with a construction cost of \$12 million, were funded through the Federal Highway Administration (FHWA) and administered by the California Department of Transportation (Caltrans). The projects involved full pavement removal, AC overlay, PCC improvements (sidewalks, driveways, median curbs, utility frame cover adjustments, bus pads, ADA-compliant curb ramps), landscaping, an irrigation system, and signing and striping. Ms. Freij enforced prevailing wage and DBE requirements.

**Orange County Great Park, City of Irvine, California.** Labor Compliance Officer. The \$95,000,000 "Sport Park" portion of this private/public 1,300-acre development, located on the decommissioned Marine Corps Air Station El Toro, was constructed over a two-year period by BrightView Landscape Development and nearly four dozen subcontractors. Ms. Freij monitored prevailing wage and state labor requirements and prepared monthly compliance reports detailing subcontractor performance.

**Orange County Animal Care Facility, City of Tustin, California.** Third-party Labor Compliance Officer. This project, funded by the County of Orange in partnership with 16 cities, cost approximately \$33,000,000 and took 1-1/2 years to construct. Ms. Freij reviewed payrolls and related documentation for approximately 30 subcontractors and prepared monthly reports detailing monitoring activities and subcontractor compliance.

**Replacement of Alley, ADA Ramps, and Sidewalks, City of Los Alamitos, California.** Labor Compliance Manager. This Community Development Block Grant (CDBG) funded project involved primarily concrete work with a prime contractor and four subcontractors. Ms. Freij ensured adherence to applicable laws and regulations.







# Mohsen Rahimian, PE, GE

Supervising Engineer (Geotechnical) / Material Testing (Optional Service)

## Profile Summary

<b>Education:</b>	▪ MS, Civil Engineering, Tehran University, Tehran, Iran
<b>Registration:</b>	▪ Civil Engineer, California, No. C73396 ▪ Geotechnical Engineer, California, No. 3059
<b>Experience:</b>	▪ 30 Years

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's experience includes geotechnical, civil, and structural design and construction management.

## Relevant Project Experience

**Cedar Storm Drain, City of Rialto, California.** Geotechnical Engineer. Willdan Geotechnical performed geotechnical and material testing and inspection services during construction of the project, including trench backfill and compaction and concrete testing.

**Elizabeth Reservoir, Booster Pump Station, and New Well No. 29, City of South Gate, California.** Geotechnical Engineer. Willdan provided construction management services for the Elizabeth Reservoir and Booster Pump Station at the Well No. 28 site and the new Well No. 29 at the Santa Fe Tank Site. Willdan's services included construction management, inspection, materials testing, and deputy inspections. The \$10 million project included a new 1.8-million-gallon reservoir booster pump station, seismic retrofit of an existing elevated tank, drilling and equipping of a new well, 10,000 LF of water distribution main, and pertinent site improvements.

**Paramount Boulevard Water System Improvements CIP 18-17, City of Downey, California.** Geotechnical Engineer. The project involves the installation of new potable water ductile iron pipe gate, valves, tees, bends, thrust blocks, and appurtenant fittings; and installation of new fire hydrant assemblies water service lines, meters and boxes; and other appurtenant work.

**Water Mains, City of Pomona, California.** Geotechnical Engineer. Willdan provided inspection and geotechnical engineering services for the City's CIP project "Water Mains - Phillips Boulevard/Dudley Street Design" Project No. 595-95078. The project included 9,700 LF of 8" DIP, valves, blow-offs, fire hydrants, and other associated appurtenances. The project also included cold milling and HMA overlay after water main installations.

**Fire Station No. 4 Remodel and Expansion City Project 15-25, City of Palm Springs, California.** Geotechnical Engineer. The project involved remodeling and expanding the fire station approximately 2,820 square feet to address sleeping quarter separation, decontamination areas, and general ADA compliance issues. The project construction encompassed demolition, asbestos remediation, structural foundations, structural retrofit and framing, utility equipment yard enclosure, electrical service transformer, wet and dry utilities, fire line, sprinkler and alarm systems, keyless entry system, vehicle emission exhaust system, sand/oil separator, site furnishings and furniture, lighting fixtures, doors and windows, miscellaneous concrete work, ADA-compliant ramps, site drainage, landscaping, signing and striping, emergency alerting system, back-up generator, and fuel tank.

**2015 Pavement Rehabilitation CP 15-01, City of Palm Springs, California.** Geotechnical Engineer. Through our on-call contract with the City, Willdan provided construction management, public works inspection, and material testing services for the City's \$10 million 2015 Citywide Pavement Rehabilitation Project, \$6 million 2016 Citywide Pavement Rehabilitation Project, and \$1.8 million 2015 Citywide Annual Slurry Seal Project. The projects generally involved pulverizing of existing street sections, grading of the pulverized section, cement treatment, asphalt paving, micromilling, application of slurry seal, ADA ramps, traffic markings, and other appurtenant work for over 150 streets throughout the city.









## Section D – Experience and References

### Client List

Willdan Engineering has provided construction management and inspection services for over 55 years. Throughout those 55 years, we have served an extensive list of clientele. The graphic below illustrates our current and past clients for whom we have provided construction management and inspection services.

### Construction Management and Inspection Clients

	<p><b>Los Angeles County</b>            City of Azusa            City of Bell            City of Bellflower            City of Burbank            City of Calabasas            City of Downey            City of El Monte            City of Hawaiian Gardens            City of Inglewood            City of Irwindale            City of La Puente            City of Lakewood            City of Long Beach            City of Lynwood            City of Manhattan Beach            City of Monrovia            City of Paramount            City of Pico Rivera            City of Pomona            City of Rancho Palos Verdes            City of Rolling Hills Estates            City of San Fernando            City of Santa Monica            City of Sierra Madre            City of South Gate</p>	<p>City of Westlake Village            County of Los Angeles            Liberty Utilities            Long Beach Water            Department</p> <p><b>Mariposa County</b>            County of Mariposa</p> <p><b>Orange County</b>            City of Brea            City of Fountain Valley            City of Irvine            City of Laguna Niguel            City of Los Alamitos            City of Newport Beach            City of Placentia            City of Tustin            City of Yorba Linda</p> <p><b>Placer County</b>            City of Lincoln            City of Roseville</p> <p><b>Riverside County</b>            City of Desert Hot Springs            City of Norco            City of Palm Springs            County of Riverside            Morongo Band of            Mission Indians</p>	<p><b>Sacramento County</b>            City of Elk Grove            City of Rancho Cordova</p> <p><b>San Bernardino County</b>            City of Chino            City of Grand Terrace            City of Highland            City of Rancho Cucamonga            City of Redlands            City of Rialto            City of San Bernardino            County of San Bernardino</p> <p><b>Shasta County</b>            City of Redding</p> <p><b>Tulare County</b>            City of Visalia</p> <p><b>Ventura County</b>            City of Fillmore            City of Simi Valley            City of Thousand Oaks            City of Ventura            County of Ventura</p> <p><b>Yolo County</b>            City of Davis            City of Winters</p>
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### Firm Highlighted Projects

The clients Willdan has chosen to verify our reputation and qualifications will confirm our dedication to expert technical ability, excellent service, and project commitment. Willdan demonstrates our recent construction management and inspection experience with on-call services, specific street improvement and rehabilitation, storm drain, water, sewer and traffic signal projects.



**Willdan has provided Construction Management and Inspection for over 55 years. In those 55 years, we have successfully completed an extensive amount of street improvement and rehabilitation, storm drain, water, sewer and traffic signal projects. Willdan is well equipped to assist the City of Garden Grove with their current and future Capital Improvement projects.**







**On-Call Contracts**

**Project Name: On-Call Public Works and Land Development Inspection Services**

**Client:** City of Long Beach  
**Contact:** Marc Wright, Construction Manager, (562) 570-6383  
**Project Completion:** Present Contract  
**Project Description:**

Willdan is providing on-call public works inspection for various CIP and permitted projects throughout the City of Long Beach. Willdan has maintained a continuous presence in the City since 2004 and our contract has been extended to the maximum allowed. Willdan is responsible to check grade; monitor curb, gutter, sidewalk, asphalt overlays, storm drains, traffic signal, and sewer system installations; maintain field files in accordance with Caltrans standards; track quantities; assist with labor compliance; coordinate material testing; and other appurtenant work.



**Project Name: On-Call Public Works Inspection**

**Client:** City of Laguna Niguel  
**Contact:** Jeff Metz, Street Maintenance Superintendent, (949) 362-4344  
**Project Completion:** Present Contract  
**Project Description:**

Willdan is providing on-call construction inspection services for the City of Laguna Niguel. Under this contract, Willdan is providing high-quality inspection support for the City of Laguna Niguel's CIP projects, including the concrete infrastructure revitalization program.

**Project Name: On Call Construction Engineering Services**

**Client:** City of Tustin  
**Contact:** Eric Johnson, Project Manager, (714) 573-3320  
**Project Completion:** Present Contract  
**Project Description:**

Willdan is providing on-call construction inspection services for the City of Tustin. Under this contract, Willdan is working on multiple projects, including the widening of Tustin Ranch Road and Irvine Boulevard intersection. This project consisted of realigning the northbound and southbound lanes on Tustin Ranch Road to accommodate dual left turn pockets for both directions. Willdan also works on the City's annual major street maintenance project every summer, which typically consists of concrete and asphalt repairs, pavement grinding and ARHM overlay of city streets, slurry seal, raising of manholes and utility valves, striping, and traffic signal loops.

**Project Name: Annual On-Call Contract**

**Client:** Liberty Utilities (Formerly Park Water)  
**Contact:** Jim Elliott, PE, Chief Engineer, (562) 299-5124  
**Project Completion:** Present Contract  
**Project Description:**

Willdan has been providing public works observation services to Liberty Utilities (formerly Park Water Company) for over 16 years. In the past three years, Willdan has provided contract administration and inspection on well over 24 water main projects involving installation of ductile iron and PVC water mains, fire hydrants, service meter change-outs, bridge construction with water line incorporated into the structure, reservoir rehabilitation, wells, and other appurtenant work.





1



**Street Improvement and Rehabilitation Projects**

**Project Name: Miscellaneous Alleys and Cliffwood Industrial Park**

**Client:** City of Brea

**Contact:** Raymond Contreras, Public Works Department Administrator, (714) 990-7763

**Project Completion:** Projected 2020

**Project Description:**

Willdan is providing construction management and inspection services for the City's Alley Project No's. 7315, 7316, 7317, and 7461. Project No. 7315 involves rehabilitation of the alley east of Redwood Ave between Birch St. and Ash St, including reconstruction of the asphalt pavement, concrete pavement, curb, and two driveways. Project No. 7316 involved the rehabilitation of the alley East of Puente St, between Joyce Dr and Walling Ave, including reconstruction of the asphalt pavement, concrete pavement, 4-foot-wide longitudinal gutter, and driveway. Projects Nos. 7317 & 7461 involve rehabilitation of streets and waterline improvements for the Cliffwood Industrial Tract, including replacement of approximately 5,500 linear feet of existing water mains and the rehabilitation and reconstruction of the commercial streets in the Cliffwood Tract. The project also includes the removal and replacement of existing damaged sidewalk, concrete curb and gutter, curb ramps, cross gutters, and localized AC pavement, along with the adjustment of existing utilities to grade, traffic signage and striping, traffic control, and all other improvements required to complete the project.



**Project Name: Lambert Road and Kraemer Boulevard**

**Client:** City of Brea

**Contact:** Raymond Contreras, Public Works Department Administrator, (714) 990-7763

**Project Completion:** 2018

**Project Description:**

Willdan provided construction management, inspection, and labor compliance services for the project. The project included roadway rehabilitation improvements, reconstruction of curb and gutter, and ADA ramps, ARHM overlay repairs to the existing street section, landscaping and irrigation improvements, traffic marking, and other appurtenant work on Lambert Road, from West City limit to Delta Avenue and from Wildcat Way to East City limit and on Kraemer Blvd from Golden Avenue to Lambert Road.



**Project Name: Bastanchury Road Widening Project**

**Client:** City of Yorba Linda

**Contact:** Mr. Rick Yee, Assistant City Engineer, (714) 961-7171

**Project Completion:** 2016

**Project Description:**

Willdan provided construction management inspection, material testing, and other related services for the City of Yorba Linda's Bastanchury Road Widening Project. The project involved construction of new street widening, retaining walls, drainage improvements, Filterra units, sidewalk, curb/gutter, asphalt overlay, street lighting, landscaping and irrigation, street reconstruction, and other appurtenant work on Bastanchury Road between Eureka Avenue to Lakeview Avenue.







**Project Name: Old Dutch Haven Street Rehabilitation**

**Client:** City of Los Alamitos  
**Contact:** Les Johnson, Interim City Manager, (562) 431-3538  
**Project Completion:** 2015  
**Project Description:**

Willdan provided construction management to the City of Los Alamitos. The project included removing and replacing asphalt concrete by using grind and overlay or slurry seal. The project took place on the following streets: Thor Avenue, Cherry Street, Pine Street, and Snark Street. Curb and gutters, crosswalks, and driveway approaches were replaced as needed.

**Project Name: Los Alamitos Boulevard Median Improvements**

**Client:** City of Los Alamitos  
**Contact:** Les Johnson, Interim City Manager, (562) 431-3538  
**Project Completion:** 2016  
**Project Description:**

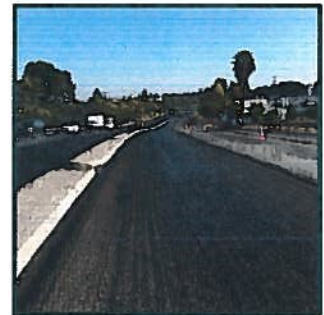
Willdan assisted the City of Los Alamitos with construction inspection for the City's street improvements project. A 0.5-mile segment of a major arterial roadway between Cerritos Avenue and Katella Avenue was redesigned to reduce Los Alamitos Boulevards scale, provide pedestrian refuge, and reduce pedestrian-automobile conflicts. Adequate left turn pockets were incorporated to provide space for vehicles making left and U-turns. The streets were resurfaced and restriped. The design included a mid-block offset crosswalk. Lighting signing and landscaping were incorporated into the medians. Improvements on Los Alamitos Boulevard involved raised median pavement delineation landscape and irrigation improvements street lighting and traffic signal improvements at intersections with Florista Street and Sausalito Street and minor traffic signal modifications at intersections with Katella Avenue and Cerritos Avenue.



**Project Name: Annual Major Street Maintenance Project, FY 2012-2019**

**Client:** City of Tustin  
**Contact:** Joanne Wu, PE, Principal Engineer, (714) 573-3150  
**Project Completion:** Projected 2020  
**Project Description:**

Willdan provided overall project inspection for the City's Annual Street Maintenance Project. This project occurred every year and was a rough construction cost of \$1.5 million each year. The project took place between the months of July and November and consisted of concrete repairs (sidewalk, curb and gutter, handicap ramps, and cross gutters), asphalt grind and overlay, along with a slurry seal for streets throughout the City of Tustin.



**Project Name: McFadden Avenue Street Rehabilitation, FY 2014**

**Client:** City of Tustin  
**Contact:** Eric Johnson, PE, Principal Engineer, (714) 573-3320  
**Project Completion:** 2014  
**Project Description:**

Willdan provided overall project inspection for the City's McFadden Avenue Street Rehabilitation. This project consisted of concrete repairs of city sidewalk, handicap ramps, driveways, and curb & gutter. A full-width cold mill and 2.5" ARHM overlay was completed along with the adjustment of water valves, storm drain and sewer manholes, striping and traffic loops.









**Water, Sewer, and Storm Drain Projects**

**Project Name: Water Reliability Infrastructure Improvement, FY 2018**

**Client:** City of Santa Monica  
**Contact:** Carlos Rosales, CIP Project Manager, (310) 458-8721  
**Project Completion:** 2019  
**Project Description:**

Willdan provided construction management and inspection for this project, which included the installation of over 4,800 LF of 8" and 12" water main gate valves, fire hydrants, and other appurtenant work at the following locations: 17th Street, Pearl Street to Ocean Park Blvd, Ocean Park Blvd, 14th Street to 18th Street, Ocean Avenue, Pico to Bay Street, Ashland Avenue, 3rd Street to 4th Street, Grant Avenue, 6th Street to Lincoln Blvd. This project was funded by a U.S. EPA Grant.



**Project Name: Elizabeth Reservoir & Booster Pump Station (Well No. 28 & Well No. 29)**

**Client:** City of South Gate  
**Contact:** Art Cervantes, Public Works Director, (323) 563-9512  
**Project Completion:** 2018  
**Project Description:**

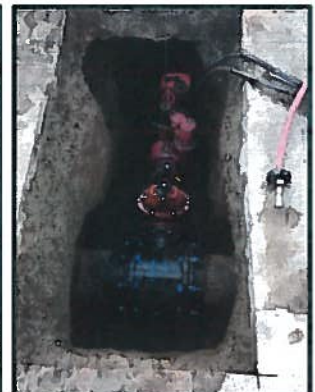
Willdan provided construction management, inspection, material testing, deputy inspections, and labor compliance services for the Elizabeth Reservoir and Booster Pump Station at the Well No. 28 site, and the new Well No. 29, at the Santa Fe Tank Site. The \$10 million project included construction of a new 1.8-million-gallon reservoir and booster pump station; seismic retrofit of an existing elevated tank; drilling and equipping of a new well; 10,000 LF of water distribution main and appurtenances; street resurfacing; and other pertinent site improvements. Willdan's construction management and inspection team ran weekly construction meetings with the City and contractor (including preparation of agendas and minutes); reviewed, logged, and processed all submittals, RFIs, drawing revisions, and change orders; coordinated all building department inspections; and provided all public work inspection and special inspections.



**Project Name: Old River School Road Water System Improvements**

**Client:** City of Downey  
**Contact:** Lorena Powell, Associate Civil Engineer, (562) 904-7117  
**Project Completion:** 2018  
**Project Description:**

Willdan provided construction inspection services for this water system improvements project on Old River School Road between Imperial Highway and Arnett Street. The project involved the installation of new 6" and 8" ductile iron potable water main, gate valves, tee's and bends, thrust blocks, and fittings; installation of new fire hydrant assemblies, water service lines, meters and boxes; and other appurtenant work.







**Project Name: Westside Water and Sewer Main Replacement**

**Client:** City of South Gate  
**Contact:** Chris Castillo, Water Division Manager, (323) 563-5790  
**Project Completion:** 2013  
**Project Description:**

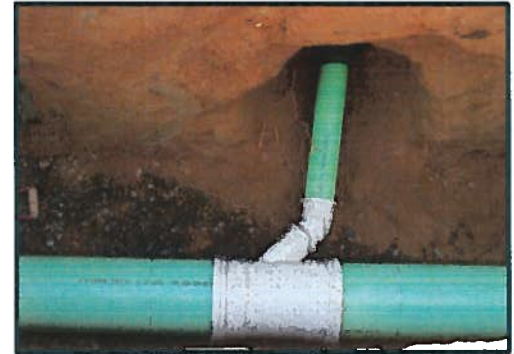
Willdan provided construction management and public works observation services for the City's water and sewer main replacement project. The project included replacement of 1,000 LF of 12" DIP, 17,600 LF of 8" DIP, and 950 LF of 6" DIP water mains, and 450 LF of 12" VCP and 1,700 LF of 10" VCP sewer mains. Existing water mains were abandoned in place, while the existing sewer mains were removed from the trench and new mains installed in the same alignment.



**Project Name: Sewer Repair, Rehabilitation, and Slip Lining Program Phase 1**

**Client:** City of Ridgecrest  
**Contact:** Loren Culp, City Engineer, (760) 499-5082  
**Project Completion:** 2017  
**Project Description:**

Willdan provided bidding assistance, construction management, inspection, materials testing, and labor compliance services for this sewer main rehabilitation and replacement project. The project included 6,890 linear feet of sewer rehabilitation via cured-in-place-pipe lining, 5,130 linear feet of sanitary sewer replacement, point repairs, reconnection of 172 laterals with Brim style inserts, and manhole reconstructions and rehabilitations. Following compliance of the sewer main replacements, an AC overlay was constructed for the limits of the project on Church Street, from Downs Street to China Lake Blvd.



**Project Name: Cedar Avenue/SCRRRA (MetroLink) Storm Drain Improvements**

**Client:** City of Rialto  
**Contact:** Hector Gonzalez, PE, Associate Civil Engineer, (909) 421-4986  
**Project Completion:** 2015  
**Project Description:**

Willdan evaluated the stormwater runoff tributary to the Southern California Regional Rail Authority's MetroLink crossing of Cedar Avenue to determine the best distribution of runoff flow to local receiving locations. The analysis included evaluation of various types of facilities necessary to handle any flow exceeding local facility capacities. A hydrology and hydraulic evaluation defined flow magnitude and guided the options for resolution. Full plans, specifications, and construction estimate were provided along with coordination for the railroad undercrossing conditions. Willdan provided construction engineering services encompassing construction management, inspection, and material testing. In all, the project incorporated 2,000 linear feet of HDPE, manholes, catch basins, junction structures, and other improvements.







**Traffic Signal Projects**

**Project Name: Associated Road/Sleepy Hollow Lane Traffic Signal Installation**

**Client:** City of Brea

**Contact:** Raymond Contreras, Public Works Department Administrator, (714) 671-4450

**Project Completion:** 2017

**Project Description:**

Willdan provided traffic engineering design and construction inspection services for traffic signal modifications at the intersection of Sleepy Hollow Lane and Associated Road. The project involved traffic signal modifications; sidewalk, curb, and gutter improvements; signal connection; and flashing beacon removal. Installations encompassed signal poles, video detection system, electrical service cabinet, LED illuminated street name signs, emergency vehicle pre-emption system, fiber optic cable, and traffic signing and striping.

**Project Name: Birch Street/Rose Drive Fiber Optic Installation and Signal Synchronization**

**Client:** City of Brea

**Contact:** Raymond Contreras, Public Works Department Administrator, (714) 671-4450

**Project Completion:** 2017

**Project Description:**

The Birch Street improvement project was approved for construction as part of the City's 2015-16 capital improvement program. Located along Birch Street and Rose Drive from Brea Boulevard to Vesuvius Drive, the improvements encompassed approximately 3.58 miles and 14 traffic signals with one traffic signal controlled by Caltrans. The project's overall goal entailed upgrading traffic signal control equipment, installing fiber optic interconnect cable, and synchronizing traffic signals along the Birch Street/Rose Drive corridor. Specific improvements involved traffic signal gear, traffic signal communication equipment to facilitate signal synchronization along the corridor, fiber optic cable, conduits, termination units, fiber optic HUB cabinet, emergency pre-emption devices, video detection, and gigabit ethernet fiber switches. The Valencia Avenue (State Route 142) intersection at Birch Street is owned and operated by Caltrans – requiring a general traffic signal synchronization cooperative agreement between the City and Caltrans – to upgrade affected traffic signal equipment and timing improvements within Caltrans' right-of-way.

**Project Name: Firestone Boulevard at Paramount Boulevard Intersection Improvements Project**

**Client:** City of Downey

**Contact:** Mr. Desi Gutierrez, Principal Civil Engineer, (562) 904-7110

**Project Completion:** 2017

**Project Description:**

Willdan provided construction management and inspection services for this \$1.6 million construction project. The project included street widening at the intersection of Firestone Blvd and Paramount Blvd, the 2nd highest volume intersection within the City of Downey. The general nature of the work included raised medians, new curb, gutter, and sidewalk, driveway approaches, traffic signal replacement, CMU walls, landscaping and irrigation, ARHM paving, utility adjustments, and striping.







**Project Name: El Camino Real and Tustin Ranch Road Traffic Signal and Intersection Modifications**

**Client:** City of Tustin  
**Contact:** Joanne Wu, PE, Principal Engineer, (714) 573-3150  
**Project Completion:** Projected 2020  
**Project Description:**

Willdan provided overall project inspection for the City's El Camino Real and Tustin Ranch Road Traffic Signal and Intersection Modifications Project. This is an ongoing project that is being constructed to provide new right turn pockets for all directions of traffic in the intersection. This project consists of the relocation of Edison and Cox communication utilities, streetlights, removal and relocation of curb and gutter, sidewalk, and handicap ramps. An entire new traffic signal system is being constructed, along with a cold mill and ARHM overlay of the entire intersection along with new signing and striping. Removal and installation of landscape and irrigation is also part of this project.



**Project Name: Irvine Boulevard and Tustin Ranch Road Traffic Signal and Intersection Reconfiguration**

**Client:** City of Tustin  
**Contact:** Krys Saldivar, Public Works Manager – Traffic/Transportation, (714) 573-3172  
**Project Completion:** 2018  
**Project Description:**

Willdan provided overall project inspection for the City's Irvine Boulevard and Tustin Ranch Road Traffic Signal and Intersection Reconfiguration Project. This project was constructed to provide 2 new left turn pockets north and south bound Tustin Ranch Road, a new right turn pocket north bound Tustin Ranch Road and west bound Irvine Boulevard and a transition lane on north bound Tustin Ranch Road and west bound Irvine Boulevard. The project consisted of the relocation of an Edison vault, relocation of a storm drain catch basin, all new handicap ramps on all returns, completely new traffic signal system including new controller, new curb and gutter, sidewalk, and paving of entire intersection. Signing, striping and traffic loops completed the project.

**References**

The clients we have chosen to verify our reputation and qualifications will confirm our dedication to expert technical ability, excellent service, and project commitment. We encourage the City to contact these references. Immediately following our references below is a reference letter from the City of Brea

Liberty Utilities	City of Tustin	City of Brea	City of Los Alamitos
Jim Elliott, PE Chief Engineer (562) 299-5124 9750 Washburn Road Downey, CA 90241	Joanne Wu, PE Principal Engineer 714-573-3150 300 Centennial Way Tustin, CA 92780	Raymond Contreras Public Works Department Administrator (714) 990-7763 1 Civic Center Circle Brea, CA 92821	Les Johnson Interim City Manager (562) 431-3538 3191 Katella Avenue Los Alamitos, CA 90720













## Section E – Staff Equipment Hourly Rates



**WILLDAN ENGINEERING**

# Schedule of Hourly Rates

Effective July 1, 2019 to June 30, 2020

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	Public Outreach Assistant	\$110
CAD Operator I	\$108	Supervisor Code Enforcement	\$145	Public Outreach Coordinator	\$125
CAD Operator II	\$125	Plans Examiner Aide	\$95	Utility Coordinator	\$159
CAD Operator III	\$139	Plans Examiner	\$145	Assistant Construction Manager	\$150
GIS Analyst I	\$145	Senior Plans Examiner	\$159	Construction Manager	\$160
GIS Analyst II	\$164	Assistant Construction Permit Specialist	\$102	Lead Construction Manager	\$175
GIS Analyst III	\$176	Construction Permit Specialist	\$107	Project Manager IV	\$203
Environmental Analyst I	\$121	Senior Construction Permit Specialist	\$125	Deputy Director	\$211
Environmental Analyst II	\$135	Supervising Construction Permit Specialist	\$133	Director	\$216
Environmental Analyst III	\$144	Assistant Building Inspector	\$120	<b>INSPECTION SERVICES</b>	
Environmental Specialist	\$155	Building Inspector***	\$133	Public Works Observer (Non-Prevailing Wage)	\$110
Designer I	\$145	Senior Building Inspector	\$145	Public Works Observer (Prevailing Wage)	\$120
Designer II	\$150	Supervising Building Inspector	\$159	<b>MAPPING AND EXPERT SERVICES</b>	
Senior Designer I	\$159	Inspector of Record	\$174	Survey Analyst I	\$125
Senior Designer II	\$167	Deputy Building Official	\$174	Survey Analyst II	\$145
Design Manager	\$170	Building Official	\$176	Calculator I	\$125
Senior Design Manager	\$176	Plan Check Engineer	\$174	Calculator II	\$139
Project Manager I	\$156	Supervising Plan Check Engineer	\$176	Calculator III	\$151
Project Manager II	\$177	Principal Project Manager	\$207	Senior Survey Analyst	\$164
Project Manager III	\$187	Deputy Director	\$211	Supervisor - Survey & Mapping	\$178
Project Manager IV	\$203	Director	\$216	Principal Project Manager	\$207
Principal Project Manager	\$207	<b>PLANNING</b>		<b>LANDSCAPE ARCHITECTURE</b>	
Program Manager I	\$174	CDBG Technician	\$70	Assistant Landscape Architect	\$125
Program Manager II	\$188	CDBG Specialist	\$85	Associate Landscape Architect	\$145
Program Manager III	\$208	CDBG Analyst	\$100	Senior Landscape Architect	\$159
Assistant Engineer I	\$121	CDBG Coordinator	\$125	Principal Landscape Architect	\$176
Assistant Engineer II	\$137	CDBG Manager	\$150	Principal Project Manager	\$207
Assistant Engineer III	\$144	Planning Technician	\$107	<b>ADMINISTRATIVE</b>	
Assistant Engineer IV	\$149	Assistant Planner	\$133	Administrative Assistant I	\$79
Associate Engineer I	\$155	Associate Planner	\$145	Administrative Assistant II	\$95
Associate Engineer II	\$161	Senior Planner	\$164	Administrative Assistant III	\$111
Associate Engineer III	\$168	Principal Planner	\$176	Project Accountant I	\$90
Senior Engineer I	\$171	Planning Manager	\$192	Project Accountant II	\$105
Senior Engineer II	\$174	Deputy Director	\$211	Project Controller I	\$111
Senior Engineer III	\$177	Director	\$216	Project Controller II	\$125
Senior Engineer IV	\$185				
Supervising Engineer	\$190				
Traffic Engineer I	\$188				
Traffic Engineer II	\$203				
City Engineer I	\$203				
City Engineer II	\$213				
Deputy Director	\$211				
Director	\$216				
Principal Engineer	\$235				

Mileage/Field Vehicle usage may 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, 2019 thru June 30, 2020, 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.

Rev 7/2/19







## Appendix

### Sample Documents

Below are samples of our Daily Inspection Reports, Working Day Statement, and Quantity Sheets for the City's consideration.

### Daily Inspection Report

DAILY CONSTRUCTION REPORT												
PROJECT: Tustin Ranch Road/ El comaino Real TS Mod.					DATE: 6/26/19							
JOB NO.					DAY:	S	M	T	W	TH	F	S
CLIENT: City of Tustin					WEATHER:	SUNNY		OVERCAST	RAIN		SNOW	
CONTRACTOR: Hillcrest Contracting					TEMP.:	TO 32	32-50	50-70	70-85	85 UP	REPORT No.	
PROJECT MANAGER: Joann Wu					WIND:	STILL	MOD	HIGH			8	
HUMIDITY:					DRY	MOD	HUMID					
AVERAGE FIELD FORCE		NON-MANUAL		MANUAL		REMARKS						
CONTRACTOR												
Hillcrest Contracting		1		2								
A&M Construction		1		4								
Belco		1										
VE Trimming contractor												
Buccola				3								
VISITORS												
TIME	NAME		REPRESENTING		REMARKS							
EQUIPMENT AT THE SITE												
2- Backhoes, 1 Water Truck, 1- Bobcat, 6- crew trucks												
CONSTRUCTION ACTIVITIES:												
<p><b>Hillcrest:</b> Continued removals on phase 1 east bound El Camion Real finished removing concrete sidewalk and curb and gutter. We are running into issues with the plans on the south bound section of TRR, the plans do not call out to remove shrubs, trees, or vegetation behind the existing sidewalk to make room for the new sidewalk construction. I talked with Joann Wu about this and she agreed that we need to remove all the hedge and 1 of the large eucalyptus trees, also the irrigation will need to be modified to make sure it is not in the way of the new construction. This work will be considered extra work.</p> <p><b>A&amp;M Con.:</b> Installed the 2 new reclaim water service lines (which are copper) from the new hot tap on the east bound #1 lane of El Camino Real to the north side of the street behind the nes proposed sidewalk location, behind the Sears building.</p> <p><b>Buccola:</b> They were onsite to repair some existing irrigation wires that were hit by VE tree trimming during the process of stump grinding the water valve electrical lines were very shallow, there approximately 6 wires that were damaged and repaired.</p> <p><b>Belco Elec.</b> Randy with Belco was out today to look at the work he needs to do on south bound TRR. It looks as if they will need to place new TS interconnect conduit and relocate the Edison street light run to get it behind the new curb and gutter as currently it will be in the new street grade. Belco will have a crew out tomorrow to remove the 4 street lights that need to be relocated.</p>												
_____ LEE MARSHALL					_____ Public Works Observer TITLE							













**Quantity Sheets**

**QUANTITY SHEET**

PROJECT: 2019 Tustin Major Maintenance  
 BID ITEM NO.: 22  
 ESTIMATED QUANTITY: Square Foot

JOB NO.: CIP 70018  
 DESCRIPTION  
 Type1- Tire Rubber Modified Slurry Seal  
 (TRMSS) with Latex ( with Crack Routing  
 and Sealing)

DATE	LOCATION	STATION		LENGTH	WIDTH	AREA	COMMENTS
		FROM	TO				
10/11/19	Bell Ave	Redhill	End	2309	44		101,596 s.f.
10/11/19	Mosher Ave.	Bell	Valencia	1271	40		50,840 s.f.
10/11/19	Gateway Circle	Bell	End	493	40		19,720 s.f.
10/11/19	Del Amo	Valencia	End	269	41		11,029 s.f.
10/11/19	Morgan Circle	Mosher	End	261	40		10,440 s.f.
	<b>JOB TOTAL</b>						<b>193,625 s.f.</b>



