

November 18, 2018

**City of Rialto**

Public Works Department  
335 W. Rialto Avenue  
Rialto, CA. 92376

Attention: Robert Eisenbeisz, Public Works Director

**Subject: Proposal for Construction Management, Inspection, Materials Testing and Labor Compliance Services for the Metrolink Station Parking Expansion Project**

Dear Mr. Eisenbeisz:

Wallace & Associates is pleased to present our proposal to provide Construction Management and Inspection Services for this important project in the City of Rialto. We started our company in 2010 to perform these services for projects just like this one. Wallace & Associates specializes in providing these services and is an excellent company to partner with the City in implementing its construction program. Our proposal will demonstrate that we have the perfect qualifications and staff to support the City and provide turnkey construction management of this important project.

**An Experienced Team:** Our **Project Principal, Carl Wallace, PE** will be the point of contact for our team. He is currently providing similar services in his role on the City Wide As-Needed Consulting Services contract for the City of Rialto. He has managed many construction phase services contracts in cities such as Murrieta, Corona, Menifee, Lake Elsinore, Indian Wells, Temecula, Santa Monica, Rancho Santa Margarita, Stanton, Laguna Niguel, Irvine, Manhattan Beach and Culver City as well as Caltrans District 6, 9 & 10. Wallace & Associates and our Project Manager,

Our proposed **Construction Manager, John Reidinger**, is Certified Construction Manager with the national organization Construction Management Association of America. John has recently completed new parking lots and parking lots expansions at the Joe Sampson Park for the City of Rialto and the Crown Valley Community Park for the City of Laguna Niguel.

He has managed the construction of numerous roadway projects as well as projects involving traffic signals and street lighting and electrical systems, landscaping, planting and irrigation, wet and dry utility relocation, storm drain improvements and funding requirements.

Our proposed **Construction Inspector, Eric Maher**, is highly qualified to provide inspection for this project. He has worked for the City of Murrieta where he inspected paving and parking lots for numerous projects including:

- Torrey Pines Park parking Lot
- Commercial parking lots for development projects
- Guava Road extension
- Jackson Avenue Extension
- Jefferson Avenue widening

**Sub-Consultants** - W&A has selected Leighton Consulting to provide materials testing services for the project. W&A has a good working relationship with Leighton including recent work together at Valley Center Municipal Water District, Joe Sampson Park in Rialto and the Fire Station projects for the City of Rialto.

**Wallace & Associates** is eager to assist the City in managing this project. Our team is committed to exceeding the City's goals for project success and provides the following qualifications that make the Wallace & Associates team an excellent choice for this project:

- **Construction Services Specialists.** Wallace & Associates was established exclusively to provide project management and construction phase services. Our expertise in this area of professional construction engineering and inspection services is a primary advantage in selecting our company for this assignment. Since we exclusively provide construction services, we are not burdened by the office overhead, equipment and staff costs required to manage a design practice. This allows us to pass on savings to our clients. Our staff resides on the job site and we believe this leads them to be more dedicated to the project and the client. Our management staff comes to them which allows all of us to stay focused with the progress of the work, the activities of our staff and the overall satisfaction of the client.

- **Construction Management Tools:** Wallace & Associates utilizes standardized forms and tracking tools to manage the project documentation. We have established daily reports that our inspectors complete using their laptops and air cards, enabling completion of their reports at the end of each day. The result is that our service meets and exceeds the City's requirements and provides the level of detail to document the work each day as well as a framework of documentation for funding reimbursement. We also provide our staff with all necessary equipment to do their job, including cell phones, laptop computers, printers (if needed), fuel cards, maintenance cards, and all personal safety equipment.

- **Local Experience and Local Office:** Wallace & Associates has a local office in the City of Corona to serve the entire inland empire. We have recent experience in Rialto, performing as-needed inspection services for roadway and utilities. W&A has also provided similar services for other nearby Cities.

Our Project Principal, Carl Wallace, PE would be the point of contact for this proposal. You may reach Carl anytime at (951) 966-7774. Please do not hesitate to contact me should you have any questions about this proposal or our other services.

Respectfully submitted,

**Wallace & Associates Consulting, Inc.**



Carl Wallace, PE President

Attached:      Project Scope of work  
                     Resumes  
                     Cost Proposal

## Scope of Services

### CM & Inspection Services for the City of Rialto Metrolink Station Expansion Project

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## Project Approach/Scope of Work

The process begins with the development of the main program elements: project schedule, project budget, comprehensive scope of work, project management systems (industry standard document tracking system, incorporation of City project procedures manuals, safety practices management and QA forms and reports, checklists, communications protocols, etc.), and a comprehensive QA/QC program. Below is a detailed summary of W&A's approach to providing our construction services to the City of Rialto. It should be noted that the approach detailed below is provided for our construction management, materials testing, inspection services and administration services.

## Construction Management and Inspection Services:

**Construction Management Plan:** Our Project Manager and Construction Manager will work with City staff to complete a project specific management plan. Many of the elements are included in this proposal; the details would need to be prepared and agreed upon as a project roadmap for our newly formed team.

**Preconstruction Conference:** W&A will coordinate and conduct the Pre-Construction Meeting including notification to contractor, utility agencies, and other stakeholders, and prepare the meeting agenda and minutes.

The Preconstruction conference agenda and minutes will include the following items, at a minimum:

- Introductions of key personnel
- City responsibilities
- Safety
- Project Overview
- Confirmation of fully-executed Contract Documents and Notice to Proceed
- Establishment of Contract Time and Completion Date
- Review of Working Day definition and holiday schedule
- Common overall project goals will be identified
- Chain of communication and key contacts
- Public Relations
- The scope will be discussed and clearly defined
- Critical design elements, schedule and cost factors will be discussed
- Experience and key roles in the project will be discussed
- Past project experiences will be discussed to identify potential pitfalls
- Jurisdictional agencies and the Contractor
- Discussion of Master Schedule
- Sub-contracts
- Integration of utility coordination activities into schedule
- Documentation and tracking controls
- Change order procedures
- Scope, schedule and cost change administration, notification requirements, and controls
- Submittal and RFI Process
- Identify long lead and any substitution and "or-equal" items and testing – review call-out requirements and deputy/special and testing requirements
- Review survey for consistency with the design
- Progress payment procedures
- Labor compliance
- Rights-of-way
- Easements and special access considerations
- Placement of signs
- Questions and answers
- Action item assignments

W&A considers the pre-construction meeting as our first progress meeting. All items discussed are designated as "open" or "closed." All open items are carried forward to subsequent progress meetings until resolved and closed. Action items are assigned a specific

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responsible party and a deadline for resolution. Minutes for each progress meeting are prepared and distributed to all attendees and affected coordination parties. W&A will typically conduct or, at a minimum, participate in all site meetings. Pre-construction meeting and site meeting minutes will be distributed via fax and / or email to meeting participants and to courtesy recipients identified by the City.

**Project Communication:** W&A inspection staff has excellent written and verbal communication skills. We have proposed experienced senior staff inspectors who are very adept and extremely competent in both verbal and written communications. Simple and clear communication that is similarly documented is what our inspectors will bring to each project

**Public Contact/Complaints:** W&A administrative staff will set up a protocol for public communication and complaint response prior to the start of the project. We will work closely with the City communication officer and set up the necessary system and identify the person to perform this role prior to the project start.

**Project Controls:** Complete and current project files will be kept at the job site, or at a location agreeable to the City, and will be available to the City as needed. Copies of files will also be accessible to the City on our cloud storage site. Our inspection staff may or may not have the role of fulfilling these requirements for the project. These files will consist of the contract, correspondence relating to or modifying the contract, proposal requests, clarifications, permits, logs, reports, RFI's, field orders, change orders, claims inspection reports, test reports, etc. The W&A team will prepare a detailed file indexing system for all project hard files, and we would offer an industry standard system for contract administration for logging and tracking of critical issues, change management, RFIs, submittals, digital data and scanned documents. W&A can use City standard or customized forms. We will adapt our system to the specific needs of the project, to monitor, track and control the project. This detailed tracking system will enable us to provide an accurate assessment of the progress to the City with recommendations to maintain or improve adherence to the approved project schedule.

**Labor Compliance:** W&A Labor Compliance team will review and audit fringe statements and certified payroll for compliance with prevailing wages, perform employee interviews and interact with the Department of Industrial Relations as necessary to provide labor compliance for the project. We will confirm that the prime contractor and its sub-contractors are submitting and uploading their certified payroll to the state website. W&A will spot check daily inspection reports and check all employee interviews with their corresponding certified payroll for compliance.

**Submittal Processing:** The Construction Manager (CM) will process all correspondence and submittals on this project with assistance from our project administrator. He will maintain the current submittals for verification that work in the field is in compliance with the approved submittals. All shop drawings, samples and other submittals received from the contractor will be logged in and evaluated to see if we can review them or if additional reviewers are needed. If it is determined that W&A staff would not review the submittal, we will quickly discuss the item with the City Project Manager to assure that we are in agreement. Prior to starting the work, we will go through the submittal list and work out any issues with the content up front prior to the start of work. If we do need the submittal reviewed by the designer or another party, it will be logged in and routed to the reviewer with a desired response. Responses will be logged in and transmitted to the contractor. Submittals will be tracked throughout the project to ensure timely response to avoid contractor claims for delay. All submittals will be expedited utilizing electronic delivery whenever possible (except for shop drawings, large format documents, etc.). Additionally, W&A will recommend key contractual requirements for the contractor to clearly indicate submittal processing requirements in the project schedule. Submittal comments will be monitored to identify potential impacts to quality, cost or schedule, with recommended alternatives and/or solutions. All files will be loaded to the Google cloud file storage.

**RFI's:** Upon receipt, the CM will log, distribute and respond to each Request for Information (RFI) as required. It is anticipated that most will be handled upon receipt. However, if the design engineer or the City staff is required to answer questions, the Construction Manager will coordinate a timely resolution. W&A will identify potential impacts to cost or time that may result due to issues identified in RFIs, with recommended alternatives or solutions to mitigate the potential impacts.

**Coordination with City:** W&A will monitor closely the work of the contractor. The contractor will be required to submit a four-week look ahead of schedule at the weekly meetings. This is a very effective tool in helping to coordinate the construction operation, particularly in relation to any interface operations with the City's activities. W&A will assist the City to minimize disruption to both City and construction operations. Our staff will communicate openly with the project team and constantly be making sure that we are all fully apprised and heading in the same direction.

**Coordination with City Building Department:** W&A's CM will communicate regularly with the Building department staff and plan for the inspections that are required as part of our Quality Assurance Plan. Building staff will be invited and kept up to speed in our weekly meetings. Building and Public safety are of the utmost importance and we take them very seriously.

**Coordination with City Fire Department Staff:** W&A's CM and Administrative staff will work together with fire department staff as members of their staff. We will include them in our meetings and make sure that we fully understand their needs and schedule throughout the project.

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**Coordination with Third Party Vendors:** Our staff will work closely with City staff, any third-party vendors, and the contractor to identify the procurement items and services, understand how they will be integrated into the work and then build them into the project schedule. We take great effort to incorporate all of these items into account and implement the overall schedule to make the work fit in with the contractor schedule. Our goal is to manage the overall project for the City and deliver an on-time project within the budget. We will work closely with the City Project Manager and Butler Building Vendor for this project. John did these same services on the El Toro Water District Administration Building. W&A has also provided third party coordination for the butler building type facilities and fire stations for the City of Lake Elsinore, City of Corona and Murrieta.

**Daily Construction Observation Reports:** W&A CM will compile daily observation reports documenting the contractor's workforce, all materials and equipment used or idle, a summary of the construction operations, any field problems, any disputes or claims, resolutions of issues and information provided or written directives to the contractor. Completed daily reports will be transmitted to the City on a weekly basis with originals filed and stored appropriately.

**QSP Inspections:** W&A will perform Qualified Storm Water Practitioner (QSP) inspections. Our inspector will review the contractor's updates to the Storm Water Pollution Prevention Plan and Rain Event Action Plan (REAP); provide review comments and an acceptance or rejection determination. Our QSP Inspector is also a certified QSD so he has expertise in the preparation and understanding of the design factors involved in producing the storm water Erosion Prevention plan. He will inspect the erosion control measures and storm water pollution prevention program work on a regular basis and as required; he will also conduct required monitoring and sampling during storm events. Our QSP Inspector will have the contractor immediately correct any deficiencies and document any changes to the SWPPP and/or REAP. The documentation of these corrections will be compiled and uploaded to meet filing requirements and be included in project reports and the Notice of Termination with the SWRCB at the end of the project.

**Job Safety:** Job Site safety is the sole responsibility of the contractor. W&A will intermittently check that the contractor is following their approved safety plan. The CM will review contractors' safety plan and implement tracking to assure that the contractor is following their safety plan. Our CM will notify the city of any accident or incident related to safety.

**Periodic Progress Reports:** W&A can prepare comprehensive reports for the Project Stakeholders covering the construction projects that we are inspecting. These reports are typically compiled monthly and would include the following information:

- Summarized report of construction activities including significant events and accomplished goals
- Construction observation reports
- Description of progress with photos to enhance the descriptions
- Description of equipment used
- Comparison of Actual vs. Planned Progress, in narrative and bar graph forms
- The latest detailed Four-Week Look Ahead Schedule submitted by the Contractor and reviewed by the CM
- Identification and discussion of current problems or pending change orders and actions taken or planned to resolve such issues
- Discussion of new short- and long-term goals for the project
- Comparison of Actual vs. Planned budget expenditures
- Master Trend Log detailing potential and approved changes
- Report of progress payments made to date and invoices in process
- Safety compliance and Labor Compliance Reports for Contractor and Subcontractor employees (if required)
- QA/QC prepared by the Team addressing testing and regulatory compliance issues
- Analysis of change order impacts or potential problems on schedule and budget

**Weekly Statement of Calendar Days:** W&A will prepare a weekly statement of calendar days documenting the construction progress, time of completion, delays and time extensions, and submit to contractor and the City on a weekly basis. The weekly statement of working days is typically discussed and agreed upon at each progress meeting and transmitted as an attachment to the minutes.

**Problems and Solutions:** The W&A proactive approach serves to anticipate and expeditiously resolve field problems. Our team is well trained in problem solving. All issues are processed with a sense of urgency and presented to the City with suggested alternatives, cost and schedule impacts and recommended solutions. The W&A staff will quickly implement the alternative which suits the best interests of the project and the City. W&A will effectively and quickly communicate with City staff, Design Consultants and the contractor to identify conflicts construction problems, coordination issues, and will obtain the needed action and response to submittals and RFI's.

**Schedule Review:** W&A is very familiar with the mainstream scheduling software used by the public works contracting industry including, but not limited to, Primavera P6® Suretrak® and Microsoft Project®. The W&A CM will review the baseline construction

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schedule, including activity sequences and duration, schedule of submittals and schedule of delivery for products with long lead-times. The CM will evaluate the baseline project schedule for the following:

- Consistency with the contract schedule (completion within the contract time)
- Accurate start dates, completion dates, other dates detailed in the contract
- Any impacts of weather and change orders
- Sufficient detail – including submittal process and procurement requirements
- Sequence of construction and correct schedule logic
- Identification of the critical path and project float
- Cost spread allocation

The schedule will not be approved as the baseline until all discrepancies are resolved.

**Schedule Control:** During the progress of construction, the W&A team will compare the contractor's monthly schedule updates to the baseline schedule and any approved time extensions, note any shortcomings and monitor and track corrections by the contractor to keep the project schedule on track. A four week "look-ahead" schedule will be required from the contractor, updated weekly and presented at the weekly construction progress meetings. This tool will keep the entire team looking one month ahead of the project and will facilitate proactive handling of project activities and issues. If necessary, W&A will negotiate time extensions due to change orders or other delays.

**Photographs:** Prepare and maintain an electronic photo journal documenting the construction progress. Photos will be taken before construction begins, during construction and upon completion of the project. The project will be videoed as well for full capture of all detail prior to construction starting.

**Contract Conformance:** W&A CM will be on site when part time through the startup period and oversee the potholing, utility mark out and coordination with utility companies to make sure that each site is ready to go once fabrications drawings are approved. He will also visit the site during the normal working hours (and when critical activities warrant it) to verify construction progress and to verify that all work conforms to contract requirements. Our CM will review the contractor's schedule of deputy and special inspection, and materials sampling and testing provided as required by the plans and specifications. W&A will reject work that does not conform to the requirements of the contract documents and will promptly report unacceptable work to the City and contractor. Rejected work will be thoroughly documented, photographed, and tracked until repaired or replaced to the satisfaction of the City.

**Safe Conditions:** Job Site Safety is the responsibility of the Contractor. W&A will periodically monitor that the contractor is following their project approved safety plan. Should our staff witness obvious unsafe conditions they shall promptly require corrective measures to be addressed by the Contractor in compliance with the contract documents and report such issues and corrective measures taken to the City.

**Materials and Workmanship:** W&A will recommend approval of materials and workmanship that meet the contract requirements, in coordination with the authority of the consulting engineer, architect, fire inspector, deputy inspector, or other authorized representative or regulatory authorities having jurisdiction.

**Documentation Interpretation and Technical Assistance:** W&A will perform the coordination and expediting between the contractor, design team and City Staff to clarify any questions for interpretation of the construction documents. Timely, firm and fair determinations will be processed to minimize any cost and time impacts.

**QA/QC:** W&A will enforce the quality assurance plan, in conformance with the City's Quality Assurance Manual, or as developed by W&A and the City for the specific needs of the project. W&A will perform and/or coordinate QA/QC activities daily and review activities as they happen, to make sure that QA/QC procedures are followed and deficiencies are resolved in a timely and efficient manner. The CM will maintain a chronological log of all records.

**Water Conservation Rebates:** The CM will prepare the documentation necessary to satisfy Water Agency requirements in securing the available and applicable water conservation rebates for the project. This will be clarified with the water agency prior to start of work.

**Materials Testing and Observations:** The W&A CM will oversee the materials testing services company, Leighton & Associates, track documentation and record testing results in weekly construction progress meetings. When necessary, corrective measures will be implemented and re-inspected to verify acceptable completion. We will work closely with Leighton staff to implement and track the quality control/assurance testing on the project.

**Change Orders:** W&A will establish, implement, and coordinate systems for processing all contract change orders. Each issue, which is identified as a potential change to the design, scope, cost or contract time, will generate a change notice. The CM will determine whether a change notice should be considered. The plans and specifications will be reviewed against the change notice. If the issue does not appear to be included in the plans or specifications, a Request for Quotation (RFQ) will be sent to the contractor. Any credits

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for work deleted because of the change will be required then as well. The contractor's response to the RFQ will be evaluated for reasonableness and completeness. The CM will maintain a Trend Log, listing potential changes as identified, either formally or informally. This Trend Log will be used such that potential change items are not overlooked or deferred until the end of the job. W&A will prepare independent cost estimates as required for contract change orders. Upon approval by the City, the Inspector will prepare, log and process change orders for full execution, and administer their implementation. Once fully executed, the CM Team will review the timely completion of the work and coordinate inclusion of the change order in the appropriate payment application.

**Daily Extra Work Reports:** W&A CM will verify and sign the contractor's daily extra work reports documenting force account (time and materials) work. W&A will monitor that only appropriate worker classifications necessary for approved time and materials work are included on extra work reports. Any inappropriate workforce and/or equipment charges will be promptly rejected and removed from extra work reports.

**Progress Payment Processing:** A cost control system, based on the contractor's schedule of values, approved change orders and the contract amount, will be developed and implemented to monitor progress costs.

W&A CM will review the payment applications submitted by the contractor, check and or verify quantities using measurement of items and verification of the quantities computed and noted in their signed daily reports. The CM's daily reports and measurements will determine whether the amount requested reflects the progress of the contractor's work. Appropriate adjustments to each payment application will be required by the contractor. When the payment application has been checked, it will be presented to the City for processing.

**Construction Meetings, Schedule and Conduct Field Meetings:** The following meetings will be held on site:

**Periodic Progress Meetings** with agencies, design team and staff to discuss all data included in the monthly progress reports and focus on the following items:

- Progress during the period
- Major decisions made
- Planned vs. actual schedule
- Upcoming work schedule
- Current or unresolved problems
- Anticipated or pending change orders
- Impacts of problems or change orders on schedule and budget
- Discussion of new goals
- Planned vs. actual budget analysis

**Weekly Progress Meetings** will be mandatory for the contractor and W&A staff, and optional or on an as-needed basis for City and design team staff. All parties are always invited to attend in person or via remote. Meeting minutes are distributed to all team members whether in attendance or not. Discussions will focus on the following items:

- Contractor's detailed four-week look-ahead schedule
- Progress and major decisions during the last week
- Update of unresolved items from previous meetings
- Status of submittals and change orders

**Bi-weekly Safety and Tailgate meetings** will be mandatory for the contractor and W&A staff. Topic summary and sign-in sheet will be kept and distributed to City staff.

**Special Meetings** will be scheduled as needed to discuss important issues or which require detailed discussion or review of plans and specifications. These meetings will follow the weekly meeting to reduce trips, if issues are not urgent.

**Written Instruction:** W&A CM will issue written instructions to the contractor regarding routine matters and/or follow-up of verbal instructions as necessary to properly document project issues. Our inspectors have speed memo forms to document any issue and provide immediately a copy to the contractor.

**Plans, Specs and As-Builts:** At a minimum, W&A will periodically review the contractor's as-built updates on the approved job plan set, identify missing items, and require the contractor to keep as-built records up to date throughout the project. At the City's option W&A will keep its own set of as-built plans, which will note the location of subsurface utilities encountered and / or installed, identify where any design or field changes were required (utilizing the corresponding RFI and / or change order numbers), and note the location of critical building components that are covered by finish work. At the end of the project the final as-built plans are submitted to the City within thirty (30) days of construction completion.

**Water Start-up and testing Shut Downs and Tie-ins:** The tie-ins will need to be planned and coordinated in advance with City operations staff and the City Project Manager. Coordination of notifications to residents for tie-ins will be required. We must check that the contractor has completed the necessary items related to testing for hydrostatic pressure, cathodic protection, disinfection such that

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they are all carried out in compliance with the specifications. The results will be documented and communicated to the team. We must take care in coordinating and documenting all tie-in's including mainline and service connections with city operations and maintenance staff, then follow up to see that all customers, business owners, fire department and other potential stake holders affected by the shutdown are notified in advance. W&A staff will meet with City staff to coordinate that all the procedures are well defined, understood and incorporated into our work plan and scheduled with the contractor prior to the scheduling of any shutdowns.

**Chlorination Process:** This process consists of a few distinct phases that can't be completed unless the previous phase is successful. Special care will need to be taken to eliminate any delays during this phase. Our staff can utilize water sampling and testing to provide results immediately on site.

**Pre-Final Inspection:** The CM will perform the final job walk and prepare the punch list (deficiency list). W&A will coordinate and observe the completion of required corrections. Should the contractor lag on a portion of the completion of project work, W&A will estimate the value of the incomplete items and recommend specific retention in accordance with the contract to maintain the City's financial position. If necessary, a change order will be recommended for approval for completion of the remaining work such that the City may file the notice of completion and start the time after which stop notices and/or claims are no longer valid.

W&A will schedule and perform quality assurance materials testing to verify compliance of the work with the contract documents. We will review test reports submitted by others to substantiate compliance and ensure that Certificates of Compliance or source release tags are furnished by the contractor along with the applicable delivered materials at the project site.

**Final Inspection:** All corrections must be made before W&A recommends processing of the "Notice of Completion." W&A is noted for our attention to detail. Upon completion of the punch-list and final sign-off by all project stakeholders, W&A will make a recommendation to City regarding the contractor's final progress payment request and prepare a final progress payment report for submission to the City.

**Delivery of As-Built and close-out documents:** W&A will review "as-constructed" plans and prepare "as-constructed" reports. W&A will assist the contractor in maintaining a field set of "as-constructed" plans to be updated daily and delivered to the City upon project completion. W&A will continually document changed field conditions and not rely on the contractor to document "as-constructed" conditions. The CM will report and photograph field condition changes. The CM will document and keep these "as-constructed" conditions on plans in his office. W&A will review the contractor's submittal of "as-constructed" conditions and compare this submittal to W&A's own documentation. Discrepancies will be discussed, resolved and recorded. Completed "as-constructed" plans will be submitted to the City.

W&A will enforce the provisions of the specifications to require the contractor to submit well coordinated operations and maintenance manuals, warranties and guarantees, bonds, extra stock and/or other items required by the contract documents such that a timely close-out of the project is implemented.

W&A will perform closeout duties including final organization of project files and submit to the City for final approval, and assist with the filing of the notice of completion and release of retention

**Preliminary Notice and Lien Releases:** After all requirements, have been met the inspector will sign off on the appropriate form to recommend approval to recommend release of funds.

**Operations and Maintenance Manuals:** Our CM will confirm that the contractor provides the proper number of specified Operations and Maintenance manuals within the time frame requirements in the contract.

**Warranties and Guarantees:** We will track all material warranty's and guarantees identified in the specifications and make sure that we receive the required scope of these as well as the correct number of these documents with contact information, product names and manufacturer's representative and contact information. These will be included in a binder as well as electronically stored for the City.

**Conclusion:** Our scope of work includes all the typical and some specialty/emphasized project needs. In addition, our staff has excellent qualifications in performing these duties and W&A has an outstanding track record and list of similar successful project references that will demonstrate why we would be a tremendous asset to the City to manage this Project.

## **John Reidinger, CCM - Construction Manager**

*Extensive Experience in Roadway, Bridges, Grading, Water/Sewer and Park Projects*

### **Years Experience:**

26 years

### **Education:**

BA, Management, Michigan State University

### **Registrations:**

Certified Construction Manager - #8006

Licensed General Contractor – Class B #933534

Mr. Reidinger has over 26 years of experience in construction and project management for public and private projects within Southern California and internationally. He has extensive experience managing the day to day challenges of construction projects. His greatest strength lies in his ability to visualize the finished product in its roughest form. John has experience in a variety of construction projects including construction management, personnel management, environmental compliance, city and agency permitting, plant science, management of site staff and contractor's staff, coordination with agency/owner staff for operational start up and design implementation. His extensive project experience includes roadway, bridges, intersections and traffic signals, grading, staging, landscaping and irrigation, drainage

structures, water and sewer, maintenance facilities, club house and community centers, signage, monuments lighting, parking lots and paving, storm drain structures, retaining walls and various park facilities. John has managed and enforced environmental protection of impacted and non-impacted areas within the project and adjacent properties, while maintaining productive construction progress. He has also managed rough grading projects more than 12M cubic yards, with varying degrees of soil and weather conditions. His background in managing all facets of major public projects has allowed him to build a successful track record in completed complex projects. John is a seasoned self-starter who will represent our clients whole heartedly and will get the job done.

## **Project Experience**

### **Joe Sampson City Park, City of Rialto, CA**

Construction Manager for this \$5.2M new eight-acre community park project. Project features include new parking lot, public restrooms, splash pad, playground equipment, shade structures and canopies, mass grading, roadway and utility improvements, pathway lighting, street lighting, storm water BMP placement and compliance, fencing, railing, basketball courts, soccer fields, community art projects incorporated throughout the project. Duties include overseeing contractor's work product, managing site inspection, administration and materials testing staff, managing and administering the construction contract budget, review of contractor schedule and progress, preparing daily, weekly and monthly reporting to update the City staff. Manages the construction project progress, oversees labor compliance, provides submittal reviews, responds to contractors RFI's, RFC's, processes monthly progress payments, and coordinates with local utility, project designer and City Project Manager.

### **Citywide Street and Safety Light Project, City of Corona, CA**

Provided construction management during the replacement of inefficient, high pressure sodium street lights with new LED street lights, as well as installation of a lighting control system that will be used for proactively maintaining street lights. Approximately 8,000 streetlights throughout the City were replaced in four phases over a six-month period. Worked closely with the contractor and the City to manage the contractor's six crews. The project was funded by special district property taxes that can only be used for street light operation and maintenance, as well as Gas Tax revenues.

### **Crown Valley Community Park, Tier 2 Entry Improvements, City of Laguna Niguel, CA**

Construction Manager for the \$9M Entry Improvements project. This project was awarded the APWA Project of Year in 2017. The project included construction of a 250' double arch multi-plate bridge, intersection improvements, spread footing with stone micro-piles, decorative railing and lighting, pre-fabricated detention basins, new parking lots, bio filters, stream bed improvements, path and trails, landscape and irrigation, recycled waterlines and pump station, and utility relocations. Responsibilities included construction management, administration, schedule analysis, RFI, CCO and submittal review and processing, progress payments, weekly meetings, monthly reports and coordination with various City departments and utility agencies.

### **Crown Valley Community Park, Tier 1 Recreation Improvements, City of Laguna Niguel, CA**

Construction Manager for this award winning \$5M community park improvement project. Project features included new amphitheatre, public restrooms, splash pad, playground equipment, tree removal, mass grading, roadway and utility improvements, stage lighting, pathway lighting, street lighting, storm water BMP placement and compliance, fencing, railing, specialty stage canopies and various community art projects incorporated throughout the project. Duties included overseeing contractor's work product, managing site inspection, administration and materials testing staff, managing and administering the construction contract budget, review of contractor schedule and progress, preparing daily, weekly and monthly reporting to update the city staff. Managed the construction project progress, oversaw labor compliance, provided submittal reviews, responded to contractor's RFI's, RFC's, processed monthly progress payments, and coordinated with local utility, community artists and City department staff.

### **Salt Creek Trail, City of Laguna Niguel, CA**

Construction Manager for this \$600K trail Improvement project. Project features include multi use trail with retaining walls, monuments, trail signage, planting, DG trail surface, landscape ties and utility relocation. Duties included overseeing contractor's work product, managing site inspection, administration and materials testing staff, managing and administering the construction contract budget, review of contractor schedule and progress, preparing daily, weekly and monthly reporting to update the City staff, managing the construction project progress, overseeing labor compliance, providing submittal reviews, responding to contractors RFI's, RFC's, processing monthly progress payments, coordinating with local utility and City department staff.

### **City Hall Landscaping Improvement Project, City of Corona, CA**

Construction Inspector for this \$300K replacement of existing landscaping and irrigation to new drought tolerant pallet of species and irrigation system. Duties included ensuring contractor compliance with project plans and specification, preparing daily documentation of the project and coordinating with City Project Manager and operations staff.

### **2013 Annual Sewer Manhole Rehabilitation Project, Manhattan Beach, CA**

Resident Inspector for this \$300K rehabilitation of sewer manholes and lid replacements throughout the City. Work included primary arterials like Sepulveda Street which required Caltrans coordination and traffic control. Duties included ensuring contractor compliance with plans and specifications, prepare daily documentation of the project, administer the contract, prepare and negotiate contract change orders, respond to RFIs, process submittals, coordinate materials testing sub-consultant and coordinate with City departments.

### **Citrus Circle Utility Project, City of Corona, CA**

Construction Inspector for this \$400K utility project providing new fire service lines, new potable water lines and irrigation lines for development project. Duties included ensuring contractor compliance with plans and specifications, prepare daily documentation of the project and coordinating with City Project Manager and operations staff.

### **Marine Drive Park Soccer Field, City of Manhattan Beach CA**

Construction Manager for this \$1.5M synthetic turf park project. Project features included water tie ins, recycled waterline extensions, parking lot improvements, fencing, walls and lighting. Duties included ensuring contractor compliance with plans and specifications, prepare daily documentation of the project, administer the contract, prepare and negotiate contract change orders, respond to RFIs, process submittals, coordinate materials testing sub-consultant and coordination with City departments.

### **Santa Monica Downtown Traffic Signal Upgrades, Santa Monica CA**

Construction Manager on this \$4M federally funded fiber optic interconnects and video detection traffic signal project throughout downtown Santa Monica and at several critical outlying intersections. The project included numerous intersection, pedestrian ramps and traffic signal improvements at major intersections. Project included traffic staging and road closures for arterial downtown streets with heavy pedestrian traffic, street improvements, utility connections and proactive public relations.

### **East Orange County Water District, Stoller Reservoir, Orange, CA**

Construction Manager for a 250,000 gallon water tank installation including piping, electrical monitoring equipment and site improvements. Managed inspection staff, project schedule, submittals, change orders, construction observation and project close-out management.

### **El Toro Water District - Administration Building Improvement Project, El Toro, CA**

Project Manager for the upgrade and remodel of a 2,200 sf administration building. The upgrade consisted of a 2,200 sf building extension, HVAC, electrical replacement and interior remodeling. Responsibilities included all aspects of project management, from project initiation to the project completion. Management of field inspection staff included special inspection and deputy inspection staff, as well as oversight of all work to ensure quality workmanship.

### **Los Angeles Zoo Bond and Capital Improvement Program, Los Angeles, CA**

Construction Manager for the Pachyderm Forest, Campo Gorilla Reserve and Golden Monkey Exhibit. Total construction budget for this high profile project was \$80M. Duties included construction management, contract administration, submittal processing and review, scheduling, cost estimating, constructability reviews and construction administration.

## Construction Management, Labor Compliance, Materials Testing and Inspection Services for City of Rialto - Metrolink Station Parking Lot Project

### Anticipated Weeks of Construction

| PROJECT CONSTRUCTION PHASES                                       |                                           |                                            | Precon | 80 Working Days (4 months) |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    | Closeout |     |                    |             |              |               |           |         |
|-------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|--------|----------------------------|----|-----|----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----------|-----|--------------------|-------------|--------------|---------------|-----------|---------|
|                                                                   |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             |              |               |           |         |
| Allocation                                                        | Staff                                     | Role                                       | Dec    |                            |    | Jan |    |    |    |    | Feb |    |    |    | Mar |    |    |    | Apr |    |    |          |     | Total Hours        | Hourly Rate | Cost         |               |           |         |
| 1 - Construction Management Services                              |                                           |                                            | 0      | 1                          | 2  | 3   | 4  | 5  | 6  | 7  | 8   | 9  | 10 | 11 | 12  | 13 | 14 | 15 | 16  | 17 | 18 |          |     |                    |             |              |               |           |         |
| Wallace & Associates Staff                                        |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             |              |               |           |         |
| As Needed                                                         | Carl Wallace PE                           | Project Manager                            |        | 4                          | 1  | 1   | 1  | 1  | 1  | 1  | 1   | 1  | 1  | 1  | 1   | 1  | 1  | 1  | 1   | 1  |    |          | 21  | \$168              | \$3,528     |              |               |           |         |
| As Needed                                                         | John Reidinger, CCM                       | Construction Manager                       |        | 8                          | 24 | 24  | 16 | 16 | 16 | 16 | 16  | 16 | 16 | 16 | 16  | 16 | 16 | 16 | 16  | 8  |    |          | 288 | \$154              | \$44,352    |              |               |           |         |
| As Needed                                                         | Eric Maher, QSP<br>Backup - Gary McCredie | Inspection, QSP, Special Insp              |        |                            |    | 12  | 24 | 32 | 32 | 32 | 32  | 32 | 32 | 32 | 32  | 32 | 32 | 32 | 32  |    |    |          | 452 | \$120              | \$54,240    |              |               |           |         |
| As-Needed                                                         | Rachael Highley                           | Labor Compliance,<br>Project Administrator |        | 16                         | 16 | 22  | 22 | 22 | 22 | 22 | 22  | 22 | 22 | 22 | 22  | 22 | 22 | 22 | 22  | 8  |    |          | 370 | \$80               | \$29,600    |              |               |           |         |
| Direct Cost Budget (Reproduction, Postage, Shipping, Incidentals) |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             |              | \$250         |           |         |
|                                                                   |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     | Estimated CM Total |             | \$131,970    |               |           |         |
| As Needed                                                         | Leighton Group                            | Materials Testing                          |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             |              | Subconsultant |           | \$9,400 |
|                                                                   |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             | Mark-up (8%) |               | \$752     |         |
|                                                                   |                                           |                                            |        |                            |    |     |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |          |     |                    |             |              |               | \$142,122 |         |

**Notes:**

- It is recommended that an additional budget of 8% be established for CM/Inspection contingency and possible Overtime.
- Cost and schedule is based upon current estimated schedule (80 Working Days) and cost (\$1.5M) provided by the City. If there are schedule changes that are outside of our control, CM budget may need to be adjusted as well.
- Any inspection overtime and Saturdays would be at \$168/hr and Inspection double time for Sundays and Holidays would be charged at \$208/hr

|                   |             |
|-------------------|-------------|
| Construction Cost | \$1,500,000 |
|-------------------|-------------|

Friday, November 16, 2018

Proposal No. RC18-386

Wallace and Associates Consulting, Inc.  
1655 East Sixth Street, Suite A-4a  
Corona, California 92879-1711

Attention: Mr. Carl T. Wallace, P.E.  
Director of Operations

**Subject: Proposal for Geotechnical Observation and Testing During Construction  
City of Rialto's Metrolink Parking Lot Expansion (Phase 2)  
210± West Bonnie View Drive  
Rialto, San Bernardino County, California  
Rialto Project No. 170808**

In response to your November 14, 2018 request, Leighton Consulting, Inc. is pleased to present this proposal to provide geotechnical observation and testing during construction of the City of Rialto's Metrolink parking lot expansion (Phase 2), located on the south side of the Metrolink track in Rialto, California. This is a solely a scope and fee proposal. Upon request, we can send information regarding our qualification. Our services for this project will be mobilized from our nearby Rancho Cucamonga office.

## **PROJECT DESCRIPTION**

Our understanding of this project is based on the following:

- **Plans:** August 29, 2018, Willdan, *City of Rialto, Metrolink Parking Lot Expansion Phase 2, Project No. 170808*, 14-sheet set of plans,
- **Special Provisions:** August 30, 2018 City of Rialto Public Works Department, *Rialto Metrolink Parking Lot Expansion Project Phase 2*, City Project No. 170808, Request For Bid No. 19-028, and
- **Geotechnical Report:** May 15, 2013, Willdan, *Geotechnical Investigation, Metrolink Parking Lot Expansion, City of Rialto, California, Willdan Geotechnical Project No. 101790-2400*.

### **Site Description**

The site is located north of Bonnie View Drive, between Willow Avenue and Riverside Avenue, south of the Metrolink tracks and station. The site is relatively flat site and is currently undeveloped.

### **Proposed Earthwork and Site Improvements**

We understand that the overall construction schedule for the City of Rialto's Metrolink Parking Lot Expansion (Phase 2) is 80 working days; although the Contractor's construction schedule was not available at the time of this proposal. Willdan's plans show a subsurface storm drain detention/retention system to be installed within the southern area of this proposed parking lot. Otherwise, this project consists of constructing an asphalt parking lot at grade for 100 autos, consisting of 3½-inches of asphalt over 4-inches of aggregate base.

**This project *excludes* any station platform improvements and/or means for pedestrians and/or vehicles to cross the Metrolink track at or below grade.**

### **PROPOSED SCOPE OF WORK**

**For the purposes of this proposal, we assume this site will not contain hazardous materials, and our soils technicians will not require specialized health and safety training or protective clothing/equipment. However, upon request, at additional cost, we can provide health and safety trained field personnel with protective equipment as may be needed for hazardous materials in shallow soils on site.**

Site safety is the responsibility of the contractor. We will notify your site representative when we are on site. We will provide our field representatives with conventional and customary personal protection for construction sites, including a hard hat, orange vest, and eye protection, and they will wear hard sole shoes. Let us know if additional personal protection is required specific to this site and project. Our field personnel will also check-back-in at the project field-office on-site, upon completion of activities for the day. Our *Daily Field Reports* (DFRs) will be brought to the project superintendent or designated field representative (e.g. your construction manager), for them to confirm activities and hours worked each day; and for their signature on the DFR to document their confirmation and comprehension of what was reported.

This proposal only addressed the geotechnical observation and materials testing for subgrade compaction and asphalt pavement construction. Our scope of services during construction will consist of geotechnical observation and testing in the field and

laboratory. This proposal does not include concrete sampling or testing. Upon request, we can provide an additional proposal for construction special inspection and concrete sampling/testing. For planning purposes, we propose the following scope for work:

- **Attendance at the Pre-grading Meeting:** We can attend one pre-grading meeting to establish points of contact and distribution of daily reports, etc. During this meeting, we will also review the contractor's schedule and generally discuss their sequencing and approach, to either verify or modify our proposed budget accordingly.
- **Earthwork and Asphalt Density Testing and Observation:** We will observe rough and finish earthwork, and test relative compaction of trench backfill, subgrade compaction, aggregate base compaction and asphalt compaction. Testing and observation will be performed on a full-time basis for deep utility trenches and part-time for finish grading, pavement subgrades and base compaction.
- **Geotechnical and Materials Laboratory Testing:** We will perform geotechnical laboratory testing of samples from onsite and imported soil/aggregate, which will likely include the following: modified Proctor (ASTM D1557) maximum dry density and optimum moisture (compaction) curves, sieve analysis and Sand Equivalent (SE) for pipe bedding material. We will also perform asphalt extraction and gradation for one mix design. Budgeted laboratory tests are presented on the attached Table 1.
- **As-Graded Report (Optional):** Upon request, we can prepare a final compaction report summarizing our geotechnical observations and testing during compacted fill and backfill placement. We can tabulate test results, and this as-graded report can be written to summarize our findings, conclusions and recommendations. This is not currently budgeted.

We will coordinate our field personnel and provide administrative support services. We will also provide professional Geotechnical Engineering (GE) management, supervision and internal quality control. *Daily Field Reports* (DFRs) written by our technicians in the field will be reviewed and prepared for distribution. Geotechnical laboratory test results will also be reviewed and distributed. Concerns encountered in the field and noted on DFRs, and any material tested and found not to conform to project specifications, will be brought to the attention of your project superintendent or designated representative.

## SCHEDULE

We request at least two working days advance notice when scheduling our field personnel at the commencement of construction; while work thereafter may be scheduled with one working day (minimum 24 hour) notice. Calls to our dispatch (**866-LEIGHTON**) after 3:00 pm (prior work day) or on weekends and holidays are not addressed until the first following working day, without prior arrangement. We anticipate

our personnel will be on site periodically for both full time and/or part time observation and testing, as requested by your field representative. We request that you partner with us to manage our budget, by avoiding unnecessary trips to the site and to combine required observation and testing, whenever possible into one visit. We will work with your field representative to reduce standby time or unnecessary trips to the site.

## **F E E S   A N D   T E R M S**

### **Time and Expense Fee Schedule**

These proposed geotechnical field and laboratory testing services during construction will be performed on a time-and-expense basis at the rates listed on the attached discounted 2017 *Professional Fee Schedule* (4 pages). Our budgeted hourly rates are based on the assumption that this **is** a California prevailing wage project. Please let us know if this is not a prevailing wage project, so rates can be reduced accordingly.

### **Estimated Budget**

**A construction schedule was not available to us at the time we prepared this proposal.**

However, we understand that an overall construction duration of 80 working days has been established by the City for this project. To establish our geotechnical observation and materials testing budget, assumptions of required hours were made. Details regarding our anticipated scope (budgeted hours and laboratory tests) and assumptions are presented on the attached Table 1. We have assumed that 44 hours of prevailing wage field soils technician time will be required. As shown on Table 1, total estimated fee for 44 hours of prevailing wage earthwork testing with geotechnical/materials laboratory and office support is **\$9,400**.

Note that our fees for construction testing services will be primarily dependent upon the earthwork contractor's operations, methods and scheduling. Therefore, our fees may vary from what is estimated on the attached table. The following assumptions have been made to estimate our costs for geotechnical and materials testing during construction:

- **Access:** We assume the site will be readily and safely accessible to our staff and their field testing equipment during construction, without delay. We also assume free parking will be available on or close to this site.

- **No Overtime:** Our estimate does not include overtime charges. Overtime work (over 8 hours per day, weekends or holidays) will be billed in accordance with the attached 2017 Professional Fee Schedule.
- **Invoicing:** We assume that our standard invoice and breakdown of fees will be acceptable for payment. A typical copy can be provided upon request.

### **Terms and Conditions**

Since this is a California public works project, we will need a **DIR Project ID** from the City of Rialto (the “awarding body”) before we begin any prevailing wage work on site; see:

<https://www.dir.ca.gov/Public-Works/Awarding-Bodies.html>

<https://www.dir.ca.gov/pwc100ext/ExternalLookup.aspx>

We have not included budget to staff your project with an apprentice. Although possible under California Prevailing Wage law, based on our experience, we do not anticipate an apprentice will be dispatched for training on this project. If we are required to provide training for an apprentice on your project, then additional fees would be required to cover that additional labor expense, beyond what we currently propose.

The scope and fees set forth in this proposal reflect the risks that are limited by the terms and conditions in our October 6, 2015 *Master Services Agreement*. Any changes in these terms and conditions may require a change in our scope of services and fees. Your assent to our beginning work prior to written execution of a mutually acceptable scope of work agreement constitutes your agreement that terms and conditions of our October 6, 2015 *Master Services Agreement* (C94590M) shall control until such a definitive contract is executed by both parties.

We have attached a project-specific *Scope of Work Agreement* incorporating our proposed scope and fees described in this proposal. If these scope, fees, terms and conditions are acceptable to you, then please have the *Scope of Work Agreement* executed by a duly authorized officer of your firm and return it to us in Rancho Cucamonga. We will then also sign it and return one fully-executed copy for your records.

**C L O S U R E**

We appreciate this opportunity to be of additional service to Wallace & Associates. If you have any questions or information that would update our scope of work and budget, please contact us at your convenience at **(866) LEIGHTON**, directly at the phone extensions and/or e-mail addresses below.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Thomas C. Benson, Jr., PE, GE  
President and CEO  
Extension 8771, [tbenson@leightonconsulting.com](mailto:tbenson@leightonconsulting.com)

LP/TCB:tcb

Attachments: Table 1, *Estimated Fee Breakdown for Geotechnical Testing*  
2017 Professional Fee Schedule (4 pages)  
Scope of Work Agreement

Distribution: (1) addressee (PDF via e-mail)

**Leighton Consulting, Inc.**

**Table 1**

Rialto's Proposed Metrolink Parking Lot Expansion Phase 2  
Geotechnical Observation and Testing During Construction

Proposal # RC18-386

| TASK DESCRIPTION                                                              | RATE            | UNITS           | COST              |
|-------------------------------------------------------------------------------|-----------------|-----------------|-------------------|
| <b>Geotechnical Field Observation and Testing</b>                             |                 |                 |                   |
| Field Soils / Materials Tester (Prevailing Wage)                              | \$122.00 / hour | 44              | \$5,368.00        |
| Operations Manager                                                            | \$158.00 / hour | 2               | \$316.00          |
| Vehicle Usage                                                                 | \$20.00 / each  | 46              | \$920.00          |
|                                                                               |                 | <b>SUBTOTAL</b> | <b>\$6,604.00</b> |
| <b>Geotechnical Laboratory Testing</b>                                        |                 |                 |                   |
| Particle size - Sieve only 1½ inch to #200, (ASTM D6913/CTM 202)              | \$135.00 / each | 3               | \$405.00          |
| Sand Equivalent (SE, ASTM D2419/CTM 217)                                      | \$105.00 / each | 1               | \$105.00          |
| Modified Proctor compaction 4 inch mold (Methods A & B ASTM D1557)            | \$220.00 / each | 2               | \$440.00          |
| Modified Proctor compaction 6 inch mold (Method C ASTM D1557)                 | \$245.00 / each | 2               | \$490.00          |
|                                                                               |                 | <b>SUBTOTAL</b> | <b>\$1,440.00</b> |
| <b>Hot Mixed Asphalt (HMA) Materials Laboratory Testing</b>                   |                 |                 |                   |
| Extraction by ignition oven, percent asphalt (ASTM D6307/CTM 382/AASHTO T308) | \$150.00 / each | 1               | \$150.00          |
| Gradation of extracted aggregate (ASTM D5444/CTM 202)                         | \$135.00 / each | 1               | \$135.00          |
|                                                                               |                 | <b>SUBTOTAL</b> | <b>\$285.00</b>   |
| <b>Office Management</b>                                                      |                 |                 |                   |
| Senior Principal                                                              | \$248.00 / hour | 1               | \$248.00          |
| Operations Manager                                                            | \$158.00 / hour | 3               | \$474.00          |
| Project Administrator/Word Processor                                          | \$72.00 / hour  | 3               | \$216.00          |
| Project Closeout                                                              | \$133.00 / each | 1               | \$133.00          |
|                                                                               |                 | <b>SUBTOTAL</b> | <b>\$1,071.00</b> |
| <b>TOTAL ESTIMATED COST</b>                                                   |                 |                 | <b>\$9,400.00</b> |



# 2017 PROFESSIONAL FEE SCHEDULE

| CLASSIFICATION                                                      | \$/HR | CLASSIFICATION                                        | \$/HR |
|---------------------------------------------------------------------|-------|-------------------------------------------------------|-------|
| Technician I                                                        | 77    | Project Administrator/Word Processor/Dispatcher       | 72    |
| Technician II / Special Inspector                                   | 86    | Information Specialist                                | 99    |
| Senior Technician / Senior Special Inspector                        | 95    | CAD Operator                                          | 108   |
| Prevailing Wage (field soils / materials tester) *                  | 122   | GIS Specialist                                        | 126   |
| Prevailing Wage (Special Inspector) *                               | 126   | Staff Engineer / Geologist / Scientist                | 131   |
| Prevailing Wage (Source Inspector, NDT, and Soil Remediation O&M) * | 131   | Senior Staff Engineer / Geologist / Scientist / ASMR  | 140   |
| System Operation & Maintenance (O&M) Specialist                     | 126   | Operations / Laboratory Manager                       | 158   |
| Non Destructive Testing (NDT)                                       | 131   | Project Engineer / Geologist / Scientist              | 158   |
| Deputy Inspector                                                    | 128   | Senior Project Engineer / Geologist / Scientist / SMR | 176   |
| Field / Laboratory Supervisor                                       | 126   | Associate                                             | 194   |
| Source Inspector I                                                  | 122   | Principal                                             | 212   |
| Source Inspector II                                                 | 126   | Senior Principal                                      | 248   |
| Source Inspector III                                                | 131   |                                                       |       |

\* See Prevailing Wages in Terms and Conditions

## GEOTECHNICAL LABORATORY TESTING

| METHOD                                                                                | \$/TEST | METHOD                                                                             | \$/TEST |
|---------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|
| <b>CLASSIFICATION &amp; INDEX PROPERTIES</b>                                          |         | California Bearing Ratio (CBR, ASTM D1883):                                        |         |
| Photograph of sample                                                                  | 10      | - 3 point                                                                          | 500     |
| Moisture content (ASTM D2216)                                                         | 20      | - 1 point                                                                          | 185     |
| Moisture & density (ASTM D2937) ring samples                                          | 30      | R-Value (CTM 301) untreated                                                        | 310     |
| Moisture & density (ASTM D2937) Shelby tube or cutting                                | 40      | R-Value (CTM 301) lime or cement treated soils                                     | 340     |
| Atterberg limits (ASTM D4318) 3 points:                                               | 150     |                                                                                    |         |
| - Single point, non-plastic                                                           | 85      | <b>SOIL CHEMISTRY &amp; CORROSIVITY</b>                                            |         |
| - Atterberg limits (organic ASTM D2487 / 4318)                                        | 180     | pH Method A (ASTM 4972 or CTM 643)                                                 | 45      |
| - Visual classification as non-plastic (ASTMD 2488)                                   | 10      | Electrical resistivity – single point – as received moisture                       | 45      |
| Particle size:                                                                        |         | Minimum resistivity 3 moisture content points (ASTM G187/CTM 643)                  | 90      |
| - Sieve only 1½ inch to #200, (ASTM D6913/CTM 202)                                    | 135     | pH + minimum resistivity (CTM 643)                                                 | 130     |
| - Large sieve – 6 inch to #200 (ASTM D6913/CTM 202)                                   | 175     | Sulfate content - gravimetric (CTM 417 B Part II)                                  | 70      |
| - Hydrometer only (ASTM D422)                                                         | 110     | Sulfate screen (Hach®)                                                             | 30      |
| - Sieve + hydrometer (≤3" sieve, ASTM D422)                                           | 185     | Chloride content (AASHTO T291/CTM 422)                                             | 70      |
| - Percent passing #200 sieve, wash only (ASTM D1140)                                  | 70      | Corrosion suite: minimum resistivity, sulfate, chloride, pH (CTM 643)              | 245     |
| Specific gravity-fine (passing #4, ASTM D854/CTM 207)                                 | 125     | Organic matter content (ASTM 2974)                                                 | 65      |
| Specific gravity-coarse (ASTM C127/CTM 206) > #4 retained:                            | 100     |                                                                                    |         |
| - Total porosity - on Shelby tube sample (calculated from density & specific gravity) | 165     | <b>SHEAR STRENGTH</b>                                                              |         |
| - Total porosity - on other sample                                                    | 155     | Pocket penetrometer                                                                | 15      |
| Shrinkage limits (wax method, ASTM D4943)                                             | 126     | Direct shear (ASTM D3080, mod., 3 points):                                         |         |
| Pinhole dispersion (ASTM D4647)                                                       | 210     | - Consolidated undrained - 0.05 inch/min (CU)                                      | 285     |
| Dispersive characteristics (double hydrometer ASTM D4221)                             | 90      | - Consolidated drained - <0.05 inch/min (CD)                                       | 345     |
| As-received moisture & density (chunk/carved samples)                                 | 60      | - Residual shear EM 1110-2-1906-IXA                                                | 50      |
| Sand Equivalent (SE, ASTM D2419/CTM 217)                                              | 105     | (price per each additional pass after shear)                                       |         |
|                                                                                       |         | Remolding or hand trimming of specimens (3 points)                                 | 90      |
|                                                                                       |         | Oriented or block hand trimming (per hour)                                         | 65      |
|                                                                                       |         | Single point shear                                                                 | 105     |
|                                                                                       |         | Torsional shear (ASTM D6467 / ASTM D7608)                                          | 820     |
| <b>COMPACTION &amp; PAVEMENT SUBGRADE TESTS</b>                                       |         | <b>CONSOLIDATION &amp; EXPANSION/SWELL TESTS</b>                                   |         |
| Standard Proctor compaction, (ASTM D698) 4 points:                                    |         | Consolidation (ASTM D2435):                                                        | 195     |
| - 4 inch diameter mold (Methods A & B)                                                | 160     | - Each additional time curve                                                       | 45      |
| - 6 inch diameter mold (Method C)                                                     | 215     | - Each additional load/unload w/o time reading                                     | 40      |
| Modified Proctor compaction (ASTM D1557) 4 points:                                    |         | Expansion Index (EI, ASTM D4829)                                                   | 130     |
| - 4 inch diameter mold (Methods A & B)                                                | 220     | Swelling/collapse – Method A (ASTM D4546-A, up to 10 load/unloads w/o time curves) | 290     |
| - 6 inch diameter mold (Method C)                                                     | 245     | Single load swell/collapse - Method B (ASTM D4546-B, seat, load & inundate only)   | 105     |
| Check point (per point)                                                               | 65      |                                                                                    |         |
| Relative compaction of untreated/treated soils/aggregates (CTM 216)                   | 250     |                                                                                    |         |
| Relative density (0.1 ft mold, ASTM D4253, D4254)                                     | 235     |                                                                                    |         |

| METHOD                                                                                                                                                                                         | \$/TEST | METHOD                                                                                                                                                 | \$/TEST |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>TRIAXIAL TESTS</b>                                                                                                                                                                          |         | <b>HYDRAULIC CONDUCTIVITY TESTS</b>                                                                                                                    |         |
| Unconfined compression strength of cohesive soil (with stress/strain plot, ASTM D2166)                                                                                                         | 135     | Triaxial permeability in flexible-wall permeameter with backpressure saturation at one effective stress (EPA 9100/ASTM D 5084, falling head Method C): | 310     |
| Unconsolidated undrained triaxial compression test on cohesive soils (USACE Q test, ASTM D2850, per confining stress)                                                                          | 170     | - Each additional effective stress                                                                                                                     | 120     |
| Consolidated undrained triaxial compression test for cohesive soils, (ASTM D4767, CU, USACE R-bar test) with back pressure saturation & pore water pressure measurement (per confining stress) | 375     | - Hand trimming of soil samples for horizontal K                                                                                                       | 60      |
| Consolidated drained triaxial compression test (CD, USACE S test), with volume change measurement. Price per soil type below EM 1110-2-1906(X):                                                |         | Remolding of test specimens                                                                                                                            | 65      |
| - Sand or silty sand soils (per confining stress)                                                                                                                                              | 375     | Permeability of granular soils (ASTM D2434)                                                                                                            | 135     |
| - Silt or clayey sand soils (per confining stress)                                                                                                                                             | 500     |                                                                                                                                                        |         |
| - Clay soils (per confining stress)                                                                                                                                                            | 705     | <b>SOIL-CEMENT</b>                                                                                                                                     |         |
| - Three-stage triaxial (sand or silty sand soils)                                                                                                                                              | 655     | Moisture-density curve for soil-cement mixtures (ASTM D558)                                                                                            | 240     |
| - Three-stage triaxial (silt or clayey sand soils)                                                                                                                                             | 875     | Wet-dry durability of soil-cement mixtures (ASTM D559) <sup>1</sup>                                                                                    | 1,205   |
| - Three-stage triaxial (clay soils)                                                                                                                                                            | 1,235   | Compressive strength of molded soil-cement cylinders (ASTM D1633) per cylinder <sup>1</sup>                                                            | 60      |
| Remolding of test specimens                                                                                                                                                                    | 65      | Soil-cement remolded specimen (for shear strength, consolidation, etc.) <sup>1</sup>                                                                   | 235     |
|                                                                                                                                                                                                |         | <sup>1</sup> Compaction (ASTM D558 maximum density) should also be performed – not included in above price                                             |         |

### CONSTRUCTION MATERIALS LABORATORY TESTING

|                                                                                       |                |                                                                                                    |       |
|---------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|-------|
| <b>SAMPLE TRANSPORT</b>                                                               | <b>\$/TRIP</b> | Rubberized asphalt (add to above rates)                                                            | + 25% |
| Pick-up & delivery (weekdays, per trip, <50 mile radius from Leighton office)         | 90             | <b>AGGREGATE PROPERTIES</b>                                                                        |       |
| <b>METHOD</b>                                                                         | <b>\$/TEST</b> | Sieve analysis (fine & coarse aggregate, ASTM C136/ CTM 202) with finer than #200 wash (ASTM C117) | 135   |
| <b>CONCRETE STRENGTH CHARACTERISTICS</b>                                              |                | LA Rattler-smaller coarse aggregate <1.5" (ASTM C131/ AASHTO T96)                                  | 200   |
| Concrete cylinders compression (ASTM C39) (6" x 12")                                  | 25             | LA Rattler-larger coarse aggregate 1-3" (ASTM C535)                                                | 250   |
| Concrete cylinders compression (ASTM C39) (4" x 8")                                   | 22             | Durability Index (DI, CTM 229)                                                                     | 200   |
| Compression, concrete or masonry cores (testing only) ≤6 inch (ASTM C42)              | 40             | Cleanliness value of coarse aggregate (CTM 227)                                                    | 210   |
| Trimming concrete cores (per core)                                                    | 20             | Unit weight of aggregate (CTM 212)                                                                 | 50    |
| Flexural strength of concrete (simple beam with 3rd pt. loading, ASTM C78/CTM 523)    | 85             | Soundness, magnesium (ASTM C88)                                                                    | 225   |
| Flexural strength of concrete (simple beam with center pt. loading, ASTM 293/CTM 523) | 85             | Soundness, sodium                                                                                  | 650   |
| Non shrink grout cubes (2 inch, ASTM C109/C1107)                                      | 25             | Uncompacted void content – fine aggregate (CTM 234/AASHTO T304)                                    | 130   |
| Drying shrinkage (four readings, up to 90 days, 3 bars, ASTM C157)                    | 400            | Flat & elongated particles in coarse aggregate (CTM 235/ASTM D4791)                                | 215   |
| <b>HOT MIX ASPHALT (HMA)</b>                                                          |                | Percent of crushed particles (CTM 205/AASHTO T335)                                                 | 135   |
| Compacted AC Resistance to Moist Damage (AASHTO T283)                                 | 2,100          | Organic impurities in concrete sand (CTM 213)                                                      | 60    |
| Hamburg Wheel, 4 briquettes (modified) (AASHTO T324)                                  | 900            | Specific gravity – coarse aggregate (CTM 206)                                                      | 100   |
| Gyratory Compaction (AASHTO T312)                                                     | 350            | Specific gravity – fine aggregate (CTM 207)                                                        | 125   |
| Extraction by ignition oven, percent asphalt (ASTM D6307/CTM 382/AASHTO T308)         | 150            | Sand Equivalent (SE, CTM 217/AASHTO T176)                                                          | 105   |
| Ignition oven correction/correlation values                                           | quote          | Apparent specific gravity of fine aggregate (CTM 208)                                              | 130   |
| Extraction by centrifuge, percent asphalt (ASTM D2172)                                | 150            | Moisture content of aggregates by oven drying (CTM 226/AASHTO T255)                                | 40    |
| Gradation of extracted aggregate (ASTM D5444/CTM 202)                                 | 135            | Clay lumps, friable particles (ASTM C142)                                                          | 175   |
| Stabilometer value (CTM 366)                                                          | 265            | <b>MASONRY</b>                                                                                     |       |
| Bituminous mixture preparation (CTM 304)                                              | 80             | Mortar cylinders (2" by 4", ASTM C780)                                                             | 25    |
| Moisture content of asphalt (CTM 370)                                                 | 60             | Grout prisms (3" by 6", ASTM C1019)                                                                | 25    |
| Bulk specific gravity – molded specimen or cores (ASTM D1188/CTM 308/AASHTO T275)     | 55             | Masonry cores compression, ≤6" diameter (testing only, ASTM C42)                                   | 40    |
| Maximum density - Hveem (CTM 308)                                                     | 200            | CMU compression to size 8" x 8" x 16" (3 required, ASTM C140)                                      | 45    |
| Theoretical maximum density and specific gravity of HMA (CTM 309/AASHTO T209)         | 130            | CMU moisture content, absorption & unit weight (6 required, ASTM C140)                             | 40    |
| Thickness or height of compacted bituminous paving mixture specimens (ASTM 3549)      | 40             | CMU linear drying shrinkage (ASTM C426)                                                            | 175   |
|                                                                                       |                | CMU grouted prisms (compression test ≤8" x 8" x 16", ASTM E 447 C1314)                             | 180   |
|                                                                                       |                | CMU grouted prisms (compression test > 8" x 8" x 16", ASTM E 447 C1314)                            | 250   |
|                                                                                       |                | Masonry core-shear, Title 24 (test only)                                                           | 70    |

| METHOD                                                             | \$/TEST | METHOD                                                     | \$/TEST |
|--------------------------------------------------------------------|---------|------------------------------------------------------------|---------|
| <b>BRICK</b>                                                       |         | Prestressing wire, tension (ASTM A416)                     | 150     |
| Compression (cost for each, 5 required, ASTM C67)                  | 40      | Sample preparation (cutting)                               | 50      |
| <b>SLAB-ON-GRADE MOISTURE EMISSION KIT</b>                         |         | <b>SPRAY APPLIED FIREPROOFING</b>                          |         |
| Moisture test kit (excludes labor to perform test, ASTM E1907)     | 60      | Unit weight (density, ASTM E605)                           | 60      |
| <b>REINFORCING STEEL</b>                                           |         | <b>OTHER TESTS</b>                                         |         |
| Rebar tensile test, ≤ up to No. 10 (ASTM A370)                     | 45      | Resistance Butt-Welded Hoops/Bars, up to No. 10 (CTM 670)  | 180     |
| Rebar tensile test, ≥No. 11 & over (ASTM A370)                     | 100     | Resistance Butt-Welded Hoops/Bars, No. 11 & over (CTM 670) | 240     |
| Rebar bend test, up to No. 11 (ASTM A370)                          | 45      | Mechanical Rebar Splice (Service), up to No. 10 (CTM 670)  | 180     |
| Epoxy coated rebar/dowel film thickness (coating) test (ASTM A775) | 45      | Post-Tensioned Bars (ASTM A772)                            | 420     |
| Epoxy coated rebar/dowel continuity (Holiday) test (ASTM A775)     | 65      | Elastometric Bearing Pads (Caltrans SS 51/SP)              | 1620    |
| Epoxy coated rebar flexibility/bend test, up to No. 11 (ASTM A775) | 45      | Joint Seal Type B, MR1"/MR2" (Caltrans SS 51/SP)           | 1960    |
| <b>STEEL</b>                                                       |         | 100W HPS Lighting (Caltrans RSS 86)                        | 1296    |
| Tensile strength, ≤100,000 pounds axial load (ASTM A370)           | 45      | Bearing Plates (A536)                                      | 720     |

### EQUIPMENT, SUPPLIES & MATERIALS

|                                                  | \$/UNIT   |                                                                       | \$/UNIT    |
|--------------------------------------------------|-----------|-----------------------------------------------------------------------|------------|
| 1/4 inch Grab plates                             | 5 each    | Manometer                                                             | 25 day     |
| 1/4 inch Tubing (bonded)                         | 0.55 foot | Mileage (IRS Allowable)                                               | 0.535 mile |
| 1/4 inch Tubing (single)                         | 0.35 foot | Nuclear moisture and density gauge                                    | 88 day     |
| 3/8 inch Tubing, clear vinyl                     | 0.55 foot | Pachometer                                                            | 25 day     |
| 4-Gas meter (RKI Eagle or similar)/GEM 2000      | 130 day   | Particulate Monitor                                                   | 125 day    |
| Air flow meter and purge pump (200 cc/min)       | 50 day    | pH/Conductivity/Temperature meter                                     | 55 day     |
| Box of 24 soil drive-sample rings                | 120 box   | Photo-Ionization Detector (PID)                                       | 120 day    |
| Brass sample tubes                               | 10 each   | Pump, Typhoon 2 or 4 stage                                            | 50 day     |
| Caution tape (1000-foot roll)                    | 20 each   | QED bladder pump w/QED control box                                    | 160 day    |
| Combination lock or padlock                      | 11 each   | Resistivity field meter & pins                                        | 50 day     |
| Compressed air tank and regulator                | 50 day    | Slip / threaded cap, 2-inch or 4-inch diameter, PVC Schedule 40       | 15 each    |
| Concrete coring machine (≤6-inch-dia)            | 150 day   | Slope inclinometer                                                    | 200 day    |
| Consumables (gloves, rope, soap, tape, etc.)     | 35 day    | Soil sampling T-handle (Encore)                                       | 10 day     |
| Core sample boxes                                | 11 each   | Soil sampling tripod                                                  | 35 day     |
| Crack monitor                                    | 25 each   | Stainless steel bailer                                                | 40 day     |
| Cutoff saws, reciprocating, electric (Saws All)  | 75 day    | Submersible pump, 10 gpm, high powered Grunfos 2-inch with controller | 160 day    |
| Disposable bailers                               | 12 each   | Submersible pump/transfer pump, 10-25 gpm                             | 50 day     |
| Disposable bladders                              | 10 each   | Support service truck usage (well installation, etc.)                 | 200 day    |
| Dissolved oxygen meter                           | 45 day    | Survey/fence stakes                                                   | 8 each     |
| DOT 55-gallon containment drum with lid          | 65 each   | Tedlar® bags                                                          | 18 each    |
| Double-ring infiltrometer                        | 125 day   | Traffic cones (≤25)/barricades (single lane)                          | 50 day     |
| Dual-stage interface probe                       | 80 day    | Turbidity meter                                                       | 70 day     |
| Dynamic Cone Penetrometer                        | 400 day   | Tyvek® suit (each)                                                    | 18 each    |
| Generator, portable gasoline fueled, 3,500 watts | 90 day    | Vapor sampling box                                                    | 55 day     |
| Global Positioning System/Laser Range Finder     | 80 day    | Vehicle usage (carrying equipment)                                    | 20 hour    |
| Hand auger set                                   | 90 day    | VelociCalc                                                            | 35 day     |
| HDPE safety fence (≤100 feet)                    | 40 roll   | Visqueen (20 x 100 feet)                                              | 100 roll   |
| Horiba U-51 water quality meter                  | 135 day   | Water level indicator (electronic well sounder) <300 feet deep well   | 60 day     |
| Magnahelic gauge                                 | 15 day    | ZIPLEVEL®                                                             | 15 day     |

Other specialized geotechnical and environmental testing & monitoring equipment are available, and priced per site

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**TERMS & CONDITIONS**

- **Expiration:** For all classifications except those subject to prevailing wage, this fee schedule is effective through December 31, 2017 after which remaining work will be billed at then-current rates.
- **Proposal Expiration:** Proposals are valid for at least 30 days, subject to change after 30 days; unless otherwise stated in the attached proposal.
- **Prevailing Wages:** Our fees for prevailing wage work are subject to change at any time based upon the project advertised date, and changes in California prevailing wage laws or wage rates. Prevailing wage time accrued will include portal to portal travel time. Prevailing wage rates are subject to increase after June 30, 2017.
- **Overtime:** Overtime for field personnel will be charged at 1.5 times basic hourly rates when exceeding 8 hours up to 12 hours per 24 hour interval, and 2 times basic hourly rates when exceeding 12 hours in 24 hours or on Sunday, and 3 times basic hourly rates on California official holidays.
- **Expert Witness Time:** Expert witness deposition and testimony will be charged at 2 times hourly rates listed on the previous pages, with a minimum charge of four hours per day.
- **Minimum Field Hourly Charges:** For Field Technicians, Special Inspectors or Material Testing Services:
  - 4 hours: 4-hour minimum charge up to the first four hours of work
  - 8 hours: 8-hour minimum charge for over four hours of work, up to eight hours
- **Outside Direct Costs:** Heavy equipment, subcontractor fees and expenses, project-specific permits and/or licenses, project-specific supplemental insurance, travel, subsistence, project-specific parking charges, shipping, reproduction, and other reimbursable expenses will be invoiced at cost plus 20%, unless billed directly to and paid by client.
- **Insurance & Limitation of Liability:** These rates are predicated on standard insurance coverage and a limit of Leighton's liability equal to our total fees for a given project.
- **Invoicing:** Invoices are rendered monthly, payable upon receipt in United States dollars. A service charge of 1½-percent per month will be charged for late payment.
- **Client Disclosures:** Client agrees to provide all information in Client's possession about actual or possible presence of buried utilities and hazardous materials on the project site, prior to fieldwork, and agrees to reimburse Leighton for all costs related to unanticipated discovery of utilities and/or hazardous materials. Client is also responsible for providing safe and legal access to the project site for all Leighton field personnel.
- **Earth Material Samples:** Quoted testing unit rates are for soil and/or rock (earth) samples free of hazardous materials. Additional costs will accrue beyond these standard testing unit rates for handling, testing and/or disposing of soil and/or rock containing hazardous materials. Hazardous materials will be returned to the site or the site owner's designated representative at additional cost not included in listed unit rates. Standard turn-around time for geotechnical-laboratory test results is 10 working days. Samples will be stored for 2 months, after which they will be discarded. Prior documented notification is required if samples need to be stored for a longer time. A monthly storage fee of \$10 per bag and \$5 per sleeve or tube will be applied. Quoted unit rates are only for earth materials sampled in the United States. There may be additional cost for handling imported samples.
- **Construction Material Samples:** After all designated 28-day breaks for a given sample set meet specified compressive or other client-designated strength, all "hold" cylinders or specimens will be automatically disposed of, unless specified in writing prior to the 28-day break. All other construction materials will be disposed of after completion of testing and reporting.

## SCOPE OF WORK AGREEMENT

This *Scope of Work Agreement*, effective Friday, November 16, 2018, is, upon execution of the Parties, incorporated under *Master Services Agreement* No. C94590M between Leighton Consulting, Inc. and Wallace & Associates, effective October 6, 2015.

**PROJECT LOCATION:** Proposed City of Rialto's Metrolink Parking Lot Expansion (Phase 2), located at 210± West Bonnie View Drive, Rialto, California.

**DESCRIPTION OF SERVICES:** Geotechnical testing during rough grading and construction (44 hours on site).

**SCOPE OF WORK:** See attached November 16, 2018 proposal, Proposal No. RC18-271.

**LEIGHTON CONSULTING, INC.:**

Leighton Consulting, Inc.  
10532 Acacia Street, Suite B-6  
Rancho Cucamonga, California 91730  
Phone: (909) 527-8771  
e-mail: [tbenson@leightongroup.com](mailto:tbenson@leightongroup.com)  
Contact: Thomas C. Benson, Jr., G. E.

**CLIENT:**

Wallace and Associates Consulting, Inc.  
1655 East Sixth Street, Suite A-4a  
Corona, California 92879-1711  
Phone: (951) 966-7774  
e-mail: [carl@wallace-cm.com](mailto:carl@wallace-cm.com)  
Contact: Carl T. Wallace, P.E.

**FEE:** These geotechnical observation and testing services during earthwork shall be provided on a time-and-expense basis in accordance with the attached *2017 Professional Fee Schedule* (4 pages) with an initial budget of \$9,400.

I have reviewed and agree to this scope of work.

**LEIGHTON CONSULTING, INC.**

**WALLACE AND ASSOCIATES CONSULTING, INC.**

\_\_\_\_\_  
Thomas C. Benson, Jr., GE, President and CEO

Friday, November 16, 2018

\_\_\_\_\_  
By (Signature)

\_\_\_\_\_  
Please type or print clearly name and title

Date: \_\_\_\_\_

CLIENT ACKNOWLEDGES THAT THEY HAVE READ AND UNDERSTAND THE DOCUMENT ENTITLED  
"INFORMATION FOR CLIENTS REGARDING LEIGHTON CONSULTING INC.'S SERVICES"