

PROFESSIONAL SERVICES AGREEMENT
[On-Call Traffic Engineering Services]

THIS PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made at Orange, California, on this ____ day of _____, 2025 (the "Effective Date") by and between the CITY OF ORANGE, a municipal corporation ("City"), and H.W. LOCHNER, INC., a Wisconsin corporation ("Contractor"), who agree as follows:

1. Services. Subject to the terms and conditions set forth in this Agreement, Contractor shall provide general on-call traffic engineering services to the reasonable satisfaction of City the services set forth in Exhibit "A," which is attached hereto and incorporated herein by reference. As a material inducement to City to enter into this Agreement, Contractor represents and warrants that it has thoroughly investigated and considered the scope of services and fully understands the difficulties and restrictions in performing the work. The services which are the subject of this Agreement are not in the usual course of City's business and City relies on Contractor's representation that it is independently engaged in the business of providing such services and is experienced in performing the work. Contractor shall perform all services in a manner reasonably satisfactory to City and in a manner in conformance with the standards of quality normally observed by an entity providing such services to a municipal agency. All services provided shall conform to all federal, state and local laws, rules. The terms and conditions set forth in this Agreement shall control over any terms and conditions in Exhibit "A" to the contrary.

Larry Tay, City Traffic Engineer ("City's Project Manager"), shall be the person to whom Contractor will report for the performance of services hereunder. It is understood that Contractor's performance hereunder shall be under the supervision of City's Project Manager (or his/her designee), that Contractor shall coordinate its services hereunder with City's Project Manager to the extent required by City's Project Manager, and that all performances required hereunder by Contractor shall be performed to the satisfaction of City's Project Manager and the City Manager.

2. Compensation and Fees.

a. Contractor's total compensation for all services performed under this Agreement, shall not exceed ONE HUNDRED THOUSAND DOLLARS and 00/100 (\$100,000.00) without the prior written authorization of City.

b. The above compensation shall include all costs, including, but not limited to, all clerical, administrative, overhead, insurance, reproduction, telephone, travel, auto rental, subsistence and all related expenses.

3. Payment.

a. As scheduled services are completed, Contractor shall submit to City an invoice for the services completed, authorized expenses and authorized extra work actually performed or incurred.

b. All such invoices shall state the basis for the amount invoiced, including services completed, the number of hours spent and any extra work performed.

c. City will pay Contractor the amount invoiced within thirty (30) days of receipt of all deliverables.

d. Payment shall constitute payment in full for all services, authorized costs and authorized extra work covered by that invoice.

4. **Change Orders.** No payment for extra services caused by a change in the scope or complexity of work, or for any other reason, shall be made unless and until such extra services and a price therefor have been previously authorized in writing and approved by City as an amendment to this Agreement. City's Project Manager is authorized to approve a reduction in the services to be performed and compensation therefor. All amendments shall set forth the changes of work, extension of time, and/or adjustment of the compensation to be paid by City to Contractor and shall be signed by the City's Project Manager, City Manager or City Council, as applicable.

5. **Licenses.** Contractor represents that it and any subcontractors it may engage, possess any and all licenses which are required under state or federal law to perform the work contemplated by this Agreement and that Contractor and its subcontractors shall maintain all appropriate licenses, including a City of Orange business license, at its cost, during the performance of this Agreement.

6. **Independent Contractor.** At all times during the term of this Agreement, Contractor shall be an independent contractor and not an employee of City. City shall have the right to control Contractor only insofar as the result of Contractor's services rendered pursuant to this Agreement. City shall not have the right to control the means by which Contractor accomplishes services rendered pursuant to this Agreement. Contractor shall, at its sole cost and expense, furnish all facilities, materials and equipment which may be required for furnishing services pursuant to this Agreement. Contractor shall be solely responsible for, and shall indemnify, defend and save City harmless from all matters relating to the payment of its subcontractors, agents and employees, including compliance with social security withholding and all other wages, salaries, benefits, taxes, exactions, and regulations of any nature whatsoever. Contractor acknowledges that it and any subcontractors, agents or employees employed by Contractor shall not, under any circumstances, be considered employees of City, and that they shall not be entitled to any of the benefits or rights afforded employees of City, including, but not limited to, sick leave, vacation leave, holiday pay, Public Employees Retirement System benefits, or health, life, dental, long-term disability or workers' compensation insurance benefits.

7. **Contractor Not Agent.** Except as City may specify in writing, Contractor shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Contractor shall have no authority, express or implied, to bind City to any obligation whatsoever.

8. **Designated Persons.** Only those qualified persons authorized by City's Project Manager, or as designated in Exhibit "A," shall perform work provided for under this Agreement.

It is understood by the parties that clerical and other nonprofessional work may be performed by persons other than those designated.

9. Assignment or Subcontracting. No assignment or subcontracting by Contractor of any part of this Agreement or of funds to be received under this Agreement shall be of any force or effect unless the assignment has the prior written approval of City. City may terminate this Agreement rather than accept any proposed assignment or subcontracting. Such assignment or subcontracting may be approved by the City Manager or his/her designee.

10. Time of Completion. Except as otherwise specified in Exhibit "A," Contractor shall commence the work provided for in this Agreement within five (5) days of the Effective Date of this Agreement and diligently prosecute completion of the work in accordance with the time period set forth in Exhibit "A" hereto or as otherwise agreed to by and between the representatives of the parties.

11. Time Is of the Essence. Time is of the essence in this Agreement. Contractor shall do all things necessary and incidental to the prosecution of Contractor's work.

12. Reserved.

13. Delays and Extensions of Time. Contractor's sole remedy for delays outside its control, other than those delays caused by City, shall be an extension of time. No matter what the cause of the delay, Contractor must document any delay and request an extension of time in writing at the time of the delay to the satisfaction of City. Any extensions granted shall be limited to the length of the delay outside Contractor's control. If Contractor believes that delays caused by City will cause it to incur additional costs, it must specify, in writing, why the delay has caused additional costs to be incurred and the exact amount of such cost at the time the delay occurs. No additional costs can be paid that exceed the not to exceed amount stated in Section 2.a, above, absent a written amendment to this Agreement.

14. Products of Contractor. The documents, studies, evaluations, assessments, reports, plans, citations, materials, manuals, technical data, logs, files, designs and other products produced or provided by Contractor for this Agreement shall become the property of City upon receipt. Contractor shall deliver all such products to City prior to payment for same. City may use, reuse or otherwise utilize such products without restriction. City agrees that use of Contractor's work product(s) whether completed or not for purposes other than identified and specified in this Agreement, is at City's sole and own risk.

15. Equal Employment Opportunity. During the performance of this Agreement, Contractor agrees as follows:

a. Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, mental or physical disability, or any other basis prohibited by applicable law. Contractor shall ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, national origin, mental or physical disability, or any other basis prohibited by applicable law.

Such actions shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. Contractor agrees to post in conspicuous places, available to employees and applicants for employment, a notice setting forth provisions of this non-discrimination clause.

b. Contractor shall, in all solicitations and advertisements for employees placed by, or on behalf of Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, mental or physical disability, or any other basis prohibited by applicable law.

c. Contractor shall cause the foregoing paragraphs (a) and (b) to be inserted in all subcontracts for any work covered by this Agreement, provided that the foregoing provisions shall not apply to subcontracts for standard commercial supplies or raw materials.

16. Conflicts of Interest. Contractor agrees that it shall not make, participate in the making, or in any way attempt to use its position as a consultant to influence any decision of City in which Contractor knows or has reason to know that Contractor, its officers, partners, or employees have a financial interest as defined in Section 87103 of the Government Code. Contractor further agrees that it shall not be eligible to work as the design/build firm for the project that is the subject of this Agreement.

17. Indemnity.

a. To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold City, its City Council and each member thereof, and the officers, officials, agents and employees of City (collectively the "Indemnitees") entirely harmless from all liability arising out of:

(1) Any and all claims under workers' compensation acts and other employee benefit acts with respect to Contractor's employees or Contractor's subcontractor's employees arising out of Contractor's work under this Agreement, including any and all claims under any law pertaining to Contractor or its employees' status as an independent contractor and any and all claims under Labor Code section 1720 related to the payment of prevailing wages for public works projects; and

(2) Any claim, loss, injury to or death of persons or damage to property caused by any act, neglect, default, or omission of Contractor, or person, firm or corporation employed by Contractor, either directly or by independent contract, including all damages due to loss or theft sustained by any person, firm or corporation including the Indemnitees, or any of them, arising out of, or in any way connected with the work or services which are the subject of this Agreement, including injury or damage either on or off City's property; but not for any loss, injury, death or damage caused by the active negligence or willful misconduct of City. Contractor, at its own expense, cost and risk, shall indemnify any and all claims, actions, suits or other proceedings that may be brought or instituted against the Indemnitees on any such claim or liability covered by this subparagraph, and shall pay or satisfy any judgment that may be rendered against

the Indemnitees, or any of them, in any action, suit or other proceedings as a result of coverage under this subparagraph.

b. To the fullest extent permitted by law, and as limited by California Civil Code 2782.8, Contractor agrees to indemnify and hold Indemnitees harmless from all liability arising out of any claim, loss, injury to or death of persons or damage to property to the extent caused by its negligent professional act or omission in the performance of professional services pursuant to this Agreement.

c. Except for the Indemnitees, the indemnifications provided in this Agreement shall not be construed to extend any third party indemnification rights of any kind to any person or entity which is not a signatory to this Agreement.

d. The indemnities set forth in this section shall survive any closing, rescission, or termination of this Agreement, and shall continue to be binding and in full force and effect in perpetuity with respect to Contractor and its successors.

18. Insurance.

a. Contractor shall carry workers' compensation insurance as required by law for the protection of its employees during the progress of the work. Contractor understands that it is an independent contractor and not entitled to any workers' compensation benefits under any City program.

b. Contractor shall maintain during the life of this Agreement the following minimum amount of comprehensive general liability insurance or commercial general liability insurance: the greater of (1) One Million Dollars (\$1,000,000) per occurrence; or (2) all the insurance coverage and/or limits carried by or available to Contractor. Said insurance shall cover bodily injury, death and property damage and be written on an occurrence basis.

c. Contractor shall maintain during the life of this Agreement, the following minimum amount of automotive liability insurance: the greater of (1) a combined single limit of One Million Dollars (\$1,000,000); or (2) all the insurance coverage and/or limits carried by or available to Contractor. Said insurance shall cover bodily injury, death and property damage for all owned, non-owned and hired vehicles and be written on an occurrence basis.

d. Any insurance proceeds in excess of or broader than the minimum required coverage and/or minimum required limits which are applicable to a given loss shall be available to City. No representation is made that the minimum insurance requirements of this Agreement are sufficient to cover the obligations of Contractor under this Agreement.

e. Each policy of general liability and automotive liability shall provide that City, its officers, officials, agents, and employees are declared to be additional insureds under the terms of the policy, but only with respect to the work performed by Contractor under this Agreement. A policy endorsement to that effect shall be provided to City along with the certificate of insurance. In lieu of an endorsement, City will accept a copy of the policy(ies) which evidences

that City is an additional insured as a contracting party. The minimum coverage required by Subsection 18.b and c, above, shall apply to City as an additional insured. Any umbrella liability insurance that is provided as part of the general or automobile liability minimums set forth herein shall be maintained for the duration of the Agreement.

f. Contractor shall maintain during the life of this Agreement professional liability insurance covering errors and omissions arising out of the performance of this Agreement with a minimum limit of One Million Dollars (\$1,000,000) per claim. Contractor agrees to keep such policy in force and effect for at least five (5) years from the date of completion of this Agreement.

g. The insurance policies maintained by Contractor shall be primary insurance and no insurance held or owned by City shall be called upon to cover any loss under the policy. Contractor will determine its own needs in procurement of insurance to cover liabilities other than as stated above.

h. Before Contractor performs any work or prepares or delivers any materials, Contractor shall furnish certificates of insurance and endorsements, as required by City, evidencing the aforementioned minimum insurance coverages on forms acceptable to City, which shall provide that the insurance in force will not be canceled or allowed to lapse without at least ten (10) days' prior written notice to City.

i. Except for professional liability insurance coverage that may be required by this Agreement, all insurance maintained by Contractor shall be issued by companies admitted to conduct the pertinent line of insurance business in California and having a rating of Grade A or better and Class VII or better by the latest edition of Best Key Rating Guide. In the case of professional liability insurance coverage, such coverage shall be issued by companies either licensed or admitted to conduct business in California so long as such insurer possesses the aforementioned Best rating.

j. Contractor shall immediately notify City if any required insurance lapses or is otherwise modified and cease performance of this Agreement unless otherwise directed by City.

k. Contractor agrees that in the event of loss due to any of the perils for which it has agreed to provide insurance, Contractor shall look solely to its insurance for recovery. Contractor hereby grants to City, on behalf of any insurer providing insurance to either Contractor or City with respect to the services of Contractor herein, a waiver of any right to subrogation which any such insurer may acquire against City by virtue of the payment of any loss under such insurance.

l. Contractor shall include all subcontractors, if any, as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor to City for review and approval. All coverages for subcontractors shall be subject to all of the requirements stated herein.

19. Termination. City may for any reason terminate this Agreement by giving Contractor not less than five (5) days' written notice of intent to terminate. Upon receipt of such notice, Contractor shall immediately cease work, unless the notice from City provides otherwise. Upon the termination of this Agreement, City shall pay Contractor for services satisfactorily provided and all allowable reimbursements incurred to the date of termination in compliance with this Agreement, unless termination by City shall be for cause, in which event City may withhold any disputed compensation. City shall not be liable for any claim of lost profits.

20. Maintenance and Inspection of Records. In accordance with generally accepted accounting principles, Contractor and its subcontractors shall maintain reasonably full and complete books, documents, papers, accounting records, and other information (collectively, the "records") pertaining to the costs of and completion of services performed under this Agreement. City and its authorized representatives shall have access to and the right to audit and reproduce any of Contractor's records regarding the services provided under this Agreement. Contractor shall maintain all such records for a period of at least three (3) years after termination or completion of this Agreement. Contractor agrees to make available all such records for inspection or audit at its offices during normal business hours and upon three (3) days' notice from City, and copies thereof shall be furnished if requested.

21. Compliance with all Laws/Immigration Laws.

a. Contractor shall be knowledgeable of and comply with all local, state and federal laws which may apply to the performance of this Agreement.

b. If the work provided for in this Agreement constitutes a "public works," as that term is defined in Section 1720 of the California Labor Code, for which prevailing wages must be paid, to the extent Contractor's employees will perform any work that falls within any of the classifications for which the Department of Labor Relations of the State of California promulgates prevailing wage determinations, Contractor hereby agrees that it, and any subcontractor under it, shall pay not less than the specified prevailing rates of wages to all such workers. The general prevailing wage determinations for crafts can be located on the website of the Department of Industrial Relations (www.dir.ca.gov/DLSR). Additionally, to perform work under this Contract, Contractor must meet all State registration requirements and criteria, including project compliance monitoring.

c. Contractor represents and warrants that it:

(1) Has complied and shall at all times during the term of this Agreement comply, in all respects, with all immigration laws, regulations, statutes, rules, codes, and orders, including, without limitation, the Immigration Reform and Control Act of 1986 (IRCA); and

(2) Has not and will not knowingly employ any individual to perform services under this Agreement who is ineligible to work in the United States or under the terms of this Agreement; and

(3) Has properly maintained, and shall at all times during the term of this Agreement properly maintain, all related employment documentation records including, without limitation, the completion and maintenance of the Form I-9 for each of Contractor's employees; and

(4) Has responded, and shall at all times during the term of this Agreement respond, in a timely fashion to any government inspection requests relating to immigration law compliance and/or Form I-9 compliance and/or worksite enforcement by the Department of Homeland Security, the Department of Labor, or the Social Security Administration.

d. Contractor shall require all subcontractors or subconsultants to make the same representations and warranties as set forth in Subsection 21.c.

e. Contractor shall, upon request of City, provide a list of all employees working under this Agreement and shall provide, to the reasonable satisfaction of City, verification that all such employees are eligible to work in the United States. All costs associated with such verification shall be borne by Contractor. Once such request has been made, Contractor may not change employees working under this Agreement without written notice to City, accompanied by the verification required herein for such employees.

f. Contractor shall require all subcontractors or sub-consultants to make the same verification as set forth in Subsection 21.e.

g. If Contractor or subcontractor knowingly employs an employee providing work under this Agreement who is not authorized to work in the United States, and/or fails to follow federal laws to determine the status of such employee, that shall constitute a material breach of this Agreement and may be cause for immediate termination of this Agreement by City.

h. Contractor agrees to indemnify and hold City, its officers, officials, agents and employees harmless for, of and from any loss, including but not limited to fines, penalties and corrective measures City may sustain by reason of Contractor's failure to comply with said laws, rules and regulations in connection with the performance of this Agreement.

22. Governing Law and Venue. This Agreement shall be construed in accordance with and governed by the laws of the State of California and Contractor agrees to submit to the jurisdiction of California courts. Venue for any dispute arising under this Agreement shall be in Orange County, California.

23. Integration. This Agreement constitutes the entire agreement of the parties. No other agreement, oral or written, pertaining to the work to be performed under this Agreement shall be of any force or effect unless it is in writing and signed by both parties. Any work performed which is inconsistent with or in violation of the provisions of this Agreement shall not be compensated.

24. Notice. Except as otherwise provided herein, all notices required under this Agreement shall be in writing and delivered personally, by e-mail, or by first class U.S. mail, postage prepaid, to each party at the address listed below. Either party may change the notice address by notifying the other party in writing. Notices shall be deemed received upon receipt of same or within three (3) days of deposit in the U.S. Mail, whichever is earlier. Notices sent by e-mail shall be deemed received on the date of the e-mail transmission.

“CONTRACTOR”

H.W. Lochner, Inc.
1100 Corporate Center Drive, Suite 201
Monterey Park, CA 91754
Attn.: Giuseppe Canzonieri, Principal

Telephone: 323-859-3155
E-Mail: gcanzonieri@hwlochner.com

“CITY”

City of Orange
300 E. Chapman Avenue
Orange, CA 92866-1591
Attn.: Larry Tay, City Traffic Engineer

Telephone: 714-744-5525
E-Mail: ltay@cityoforange.org

25. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Signatures transmitted electronically shall have the same effect as original signatures.

[Remainder of page intentionally left blank; signatures on next page]

IN WITNESS of this Agreement, the parties have entered into this Agreement as of the year and day first above written.

“CONTRACTOR”

H.W. LOCHNER, INC., a California corporation

*By: 
Printed Name: Giuseppe Canzonieri
Title: Principal–Southern California Design Lead

*By: 
Printed Name: Michael Nilsson
Title: Principal–Southern California Planning Lead

“CITY”

CITY OF ORANGE, a municipal corporation

By: _____
Daniel R. Slater, Mayor

ATTEST:

Pamela Coleman, City Clerk

APPROVED AS TO FORM:

Nathalie Adourian, City Attorney

***NOTE:**

-- City requires the following signature(s) on behalf of the Contractor:

-- (1) the Chairman of the Board, the President or a Vice-President, AND (2) the Secretary, the Chief Financial Officer, the Treasurer, an Assistant Secretary or an Assistant Treasurer. If only one corporate officer exists or one corporate officer holds more than one corporate office, please so indicate. OR

-- The corporate officer named in a corporate resolution as authorized to enter into this Agreement. A copy of the corporate resolution, certified by the Secretary close in time to the execution of the Agreement, must be provided to City.

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EXHIBIT “A”

SCOPE OF SERVICES

[Beneath this sheet.]

SECTION III

SCOPE OF WORK

RFP NO. 24-25.24

SECTION III: SCOPE OF WORK

All work shall be conducted on an as needed basis when requested in writing by the City Traffic Engineer or designated representative and according to the timeframe specified by the City. Work performed by the Consultant that has not be specifically identified and authorized by the City, will not be compensated.

The scope of work includes, but is not limited to:

- Traffic studies for capital projects
- Traffic and/or parking study review for private developments
- Traffic signal design
- Traffic control plan preparations
- Plan check for capital/development projects and traffic control plans
- Street light design and plan check
- Signing and striping plan preparation and plan check
- Traffic signal and street lighting construction inspection
- Construction management and construction engineering
- Technical support for funding and grant application
- Grant funding oversight
- Intelligent transportation systems (ITS) design
- Traffic signal timing and coordination studies
- Traffic counts and data collection
- Neighborhood traffic calming studies, warrant studies, and traffic investigations
- Special studies, civil design, and on-site support services may be requested
- General municipal traffic engineering services

The City of Orange manages 160 traffic signals, over 8,000 streetlights, over 20 miles of fiber optic network, the Traffic Management Center (TMC), radar feedback signs, pedestrian crossing and overhead flashers, and other devices to facilitate the safety of the public and efficiency of traffic. The City of Orange expects consulting firms to have thorough knowledge in traffic signal, ITS systems, street light design to perform required services. Firms are also expected to understand federal/state/local funding and policies, as well as Orange County Transportation Authority (OCTA) Comprehensive Transportation Funding Program (CTFP) requirements. The ideal firm(s) will have expertise in the areas above or may specialize in one or more subareas and will be capable to provide technical services associated with the general traffic engineering needs of the City of Orange.

All design work and improvement plan check services shall be performed by or under the responsible charge of a California License Professional Engineer (Civil, Traffic, and/or California License Land Surveyor as applicable) eligible to prepare and sign such plans. Successful firms will be required to enter into the City's standard professional services agreement (attached) and obtain an Orange business license. Any changes requested to the City's standard agreement must be noted in the response to the RFP for the City's consideration.

Each specific assignment under an on-call engineering services contract will be compensated on either lump sum or time-and-materials basis. The method of compensation will be specified in writing by the City at the time the assignment is given.

Generally, response times related to plan checks for the initial review shall be completed within **ten (10) working days**, unless otherwise directed by the City. Each subsequent plan check shall be completed within 5 working days unless otherwise directed by the City.

The scope of work will vary by project, and will be further defined in a project specific request by the City of Orange, but may generally include the following:

- **Design Plans** – Develop or assist with development of final design plans associated with traffic signals and street light systems. These plans include, but are not limited to: traffic signal plans, Intelligent Transportation Systems plans, traffic signal interconnect plans, and street light plans.
- **Program Management / Construction Management / Construction Inspection** – Services related to the City's Capital Improvement Program, which will typically include traffic signal and street light improvements, but may also include ancillary roadway rehabilitation, roadway widening, ADA access and handicap ramps, parkways, drainage and drainage structures, storm drain utilities, signage and striping, parks, and other miscellaneous facilities. A thorough understanding of the NPDES regulations and grant regulations, including Federally funded program compliance is required. Project manager and inspector must be able to coordinate with outside agencies such as adjacent cities, Caltrans, and various utility companies.
- **Transportation Analysis** – Specialized traffic studies to assess proposed projects within a short time frame. Typical studies would include travel demand or traffic forecasting of proposed roadways, street widening or intersection improvement projects. Studies will analyze diversion of traffic due to substantial long term construction projects. Analysis will incorporate pedestrian and bicycles. Additional studies could be needed to provide technical support for grant and funding applications.
- **Traffic Signal Corridor Coordination Studies** – Conduct studies that analyze the performance of traffic signal timing on street corridors. These studies shall include before and after analysis to quantify the level of improvement to the expected as a result of the project.
- **Simulation Modeling** – Provide computer simulation of corridors or road networks as needed utilizing microsimulation software. Training may also be included with these projects.
- **Traffic Counts** – Perform data collection as needed within short time frames including ADT's, 12-hour counts, intersection turning movement counts, occupancy rates, speed/delay runs, pedestrian and bike counts, parking turnover, etc.
- **Statewide Planning Efforts** – Specialized studies and analysis in support of various regional and statewide initiatives involving traffic signal improvements, timing, and coordination.
- **Research and Outreach** – Assist staff in producing reports and making presentations on transportation related topics.
- **Neighborhood Traffic Calming** – Assist staff in processing requests for traffic calming measures. This includes but is not limited to street and neighborhood evaluation, data collection, recommendations, design, and coordination/communication with residents.
- **Review for Private Developments** – Assist staff in reviewing plans and reports for private development projects. This includes but is not limited to: traffic signal plans, striping plans, street light plans, and various traffic studies. Coordination with project owners or design teams on behalf of the City may be requested.

Deliverables

The specific scope of work for each task/project will be provided in a written transmittal from a City of Orange representative along with, in most cases, a follow-up phone call and, if necessary, a meeting to discuss the specific needs of the assignment. Within five business days of receipt of transmittal, the Consultant will be expected to provide the City with a proposed level of support along with a NOT TO EXCEED cost. A fully-executed amendment to the on-call contract may be required along with an authorization to proceed prior to commencement of work.

Consultant is expected to have a close working relationship with City staff and remain very accessible throughout the contract duration. The Consultant shall act as an extension of City staff.

A member of the consulting firm will be required to attend meetings with other jurisdictions, City departments, or public outreach events if an individual project requires extra coordination.

H. WORK PLAN

The Proposer shall indicate an understanding of the scope of services requested in this RFP. The work plan should address and satisfy the objectives and specifications as listed in the Scope of Work in this RFP.

SCOPE OF WORK UNDERSTANDING

The City of Orange is seeking qualified traffic engineering services to support its ongoing and anticipated transportation infrastructure needs. H.W. Lochner, Inc. (Lochner) is pleased to offer our comprehensive capabilities in traffic engineering, transportation planning, ITS design, and construction management to meet and exceed the City's expectations.

Lochner has proudly supported the City through our existing On-Call Traffic Engineering Consulting Services contract, previously held under KOA Corporation. Through this contract, we have delivered timely and effective solutions across a broad range of assignments, including:

- Preparation of signing and striping plans and field inventory/inspection services
- Traffic signal modification plans for new and existing installations
- Street lighting plans for relocation or new installation
- Traffic management (control) plans
- Plan checks for traffic signal design/modification, signing and striping, and traffic control
- Signal timing and coordination studies, including phasing and geometry recommendations
- PS&E development for traffic control, signal, striping, and lighting projects

EXPANDING OUR SERVICES TO MEET THE CITY'S EVOLVING NEEDS

As outlined in the City's latest On-Call Traffic Engineering Services request, Lochner fully understands the range and technical nature of the required services. Our team is prepared to provide the following specialized capabilities:

- **Traffic Signal Design**
Development of new signal plans and modification of existing systems in accordance with MUTCD, Caltrans, and City standards, including phasing diagrams, wiring, controller configurations, and signal interconnect
- **Traffic Studies for Capital Improvement Projects**
Preparation of traffic impact analyses, corridor evaluations, and operational studies to support planning, design, and implementation of City-led infrastructure improvements
- **Traffic Study Reviews for Private Development**

Peer review and technical evaluation of traffic impact studies, parking demand and traffic analyses, and site access/circulation assessments submitted by developers to ensure consistency with City policies and traffic engineering best practices

- **Plan Check Services for Capital and Development Projects**
Detailed review and quality assurance of engineering plans, including signal, striping, signage, lighting, and traffic control plans, ensuring compliance with applicable design standards and constructability
- **Technical Support for Grant Applications**
Assistance in preparing competitive grant applications, including benefit-cost analyses, conceptual designs, and traffic justifications to support funding for transportation projects
- **Grant Funding Oversight**
Preparation and post-award support including compliance monitoring, documentation, reporting, presentation, and coordination with funding agencies to ensure the successful implementation and tracking of grant-funded initiatives
- **Intelligent Transportation Systems (ITS) Design**
Design and integration of ITS components such as communication systems, detection technologies, closed-circuit television (CCTV), and adaptive signal control to enhance traffic operations
- **Traffic Signal Timing and Coordination Studies**
Development and optimization of signal timing plans and coordinated corridors to improve traffic flow, reduce delays, and enhance safety for all users
- **Construction Management and Engineering Support**
Oversight of construction activities related to traffic infrastructure, including schedule coordination, field inspections, compliance verification, and resolution of design issues during construction
- **Traffic Signal and Street Lighting Construction Inspection**
On-site inspection services to verify installation accuracy, materials compliance, and adherence to approved plans and specifications for signal and lighting systems.
- **Traffic Counts and Data Collection**
Deployment of manual and automated traffic counting technologies, including turning movement counts, speed studies, and pedestrian/bicycle counts for use in planning and analysis. Lochner can hire most qualified subconsultants to provide the services as required.
- **Special Studies, Civil Design, and On-Site Support Services**
Customized services based on City request, which may include neighborhood traffic calming evaluations, warrant analyses, temporary staffing, and minor civil design support

WORK PLAN & METHODOLOGY

At Lochner, we provide integrated transportation solutions that span the full project life cycle—from early planning and funding strategy through design, implementation, and construction oversight. Our team brings together planners, engineers, and construction professionals who are deeply experienced in delivering practical, cost-effective, and community-focused infrastructure improvements.

With a strong track record across Southern California, Lochner supports public agencies with services that include transportation planning and analysis, ITS design, grant application and funding management, and construction management and inspection. Our work is grounded in technical rigor, field-based insight, and responsive collaboration with agency staff and stakeholders.

Lochner's approach emphasizes clarity, quality, and accountability—ensuring that every project is delivered with precision, transparency, and long-term value.

TRANSPORTATION PLANNING

PROJECT-LEVEL TRANSPORTATION ANALYSIS

Lochner's traffic engineering team is well-versed in the full range of transportation review processes required to support both development and public infrastructure projects. We recognize that transportation-related elements such as site access, circulation, and multimodal impacts can influence broader mitigation measures and directly affect the surrounding roadway network.

Our engineers conduct detailed field reconnaissance and safety evaluations, providing an independent, data-driven assessment with clear and actionable recommendations. We examine current and future conditions, both on-site and off-site, including vehicle, pedestrian, and bicycle movements. Areas of analysis include, but are not limited to:

- Traffic volumes and patterns
- Collision history and crash trends
- Stopping sight distance and sight line visibility
- Roadway geometry and network layout
- Trip generation, distribution, and assignment
- Operational conditions and Level of Service (LOS)
- Signal design, warrant analyses, and phasing
- Access and egress locations, internal site circulation
- Pedestrian and bicycle infrastructure
 - Safety considerations and mitigation needs

All findings are summarized in a clear technical memorandum or report and, when needed, presented in public forums or stakeholder meetings. Lochner has developed refined methodologies and tools to

streamline these evaluations, enabling us to deliver quality analysis within accelerated schedules.

TRAFFIC SIMULATION

Lochner has extensive experience conducting microsimulation of corridors and roadway networks using industry-standard tools such as Synchro/SimTraffic and VISSIM. Our team utilizes these platforms to evaluate future operational performance, develop signal timing optimization strategies, and simulate multi-modal interactions. We are also available to assist City staff in training or troubleshooting simulations using these or other modeling platforms, as needed.

ACCESS STUDIES

Lochner regularly conducts access evaluations as part of traffic impact studies and corridor planning efforts. These studies assess operational safety, access point configuration, and circulation efficiency in high-demand corridors. Our scope typically includes:

- Corridor crash history review
- Identification of access-related conflict points or non-compliant driveways
- Analysis of high-volume access points and crash hot spots
- Intersection and arterial LOS assessments
- Evaluation of traffic signal operations and timing plans

Based on these reviews, we identify operational deficiencies and provide design or policy-level recommendations to improve corridor performance.

REVIEW OF TECHNICAL STUDIES

Lochner provides peer reviews of transportation-related technical studies submitted by developers or consultants, ensuring that all documentation meets current standards and that assumptions and methodologies are technically sound. Our peer review process includes:

1. **Initial Documentation Review**
Upon receipt of submitted materials, we evaluate whether all required documents are complete. Missing elements are flagged immediately to avoid wasted effort and cost.
2. **Technical Evaluation**
We review the methodology, data, and conclusions, applying the latest standards from the Institute of Transportation Engineers (ITE) and AASHTO.
3. **Coordination & Communication**
We provide detailed written comments to City staff and, if requested, meet with the developer's engineer to resolve comments and review revisions.
4. **Site Visit**
A site walk is conducted early in the process to validate field conditions and inform our findings.

Deliverables typically include a formal letter summarizing our observations, concerns, and recommended revisions. We work closely with City staff to ensure reviews are completed in a timely and comprehensive manner.

RESEARCH AND PUBLIC OUTREACH

Lochner regularly supports research and outreach efforts as part of our transportation planning assignments. Our team prepares professional presentation materials including maps, summary reports, fliers, and presentation boards for public meetings, stakeholder engagement, and decision-maker briefings. We also assist City staff in preparing final reports and presentations, ensuring clear communication of technical findings to a variety of audiences.

INTELLIGENT TRANSPORTATION SYSTEM (ITS) DESIGN

Lochner has successfully completed numerous ITS master plans and traffic signal system upgrades across Southern California, including work for the cities of Azusa, Diamond Bar, South Pasadena, Beverly Hills, and San Bernardino. Our work has included inventories of over 700 signalized intersections and 30 miles of communications systems since 2016. These experiences give us a strong foundation to help the City implement future ITS deployment projects successfully.

ITS/COMMUNICATION/SIGNAL SYSTEM INVENTORY & MASTER PLANS

We begin with a detailed system inventory and needs assessment, collecting data on:

- Traffic management center (TMC) components
- Signal controller cabinets and firmware
- Field detection and communication devices
- Signal timing parameters
- Conduit, interconnect, and communication pathways

Field observations are documented with photographs, GIS mapping, Excel logs, and annotated layout figures. We coordinate with City staff to access cabinets, review as-builts, and confirm existing infrastructure. Based on these findings, we develop a comprehensive assessment with recommendations for system upgrades. These may include controller replacement, Ethernet switch upgrades, fiber optic extensions, or ITS device installations. We also prepare:

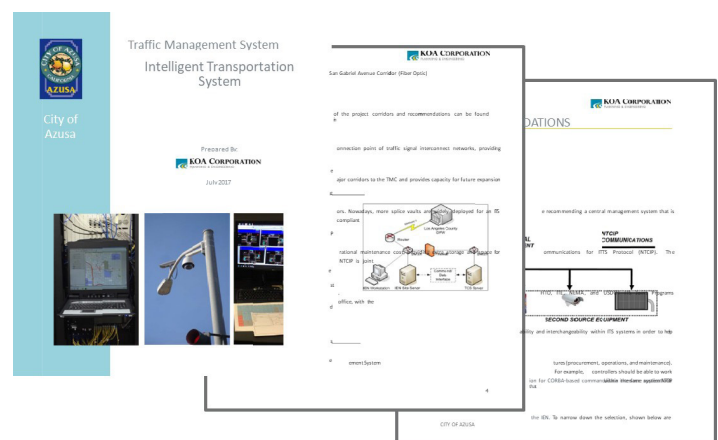
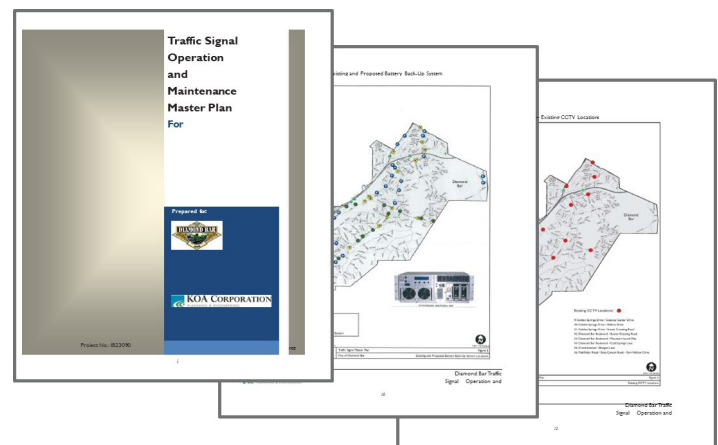
- CIP recommendations and prioritization
- Implementation phasing strategies
- Cost estimates and grant programming support (e.g., OCTA, CMAQ)

TRAFFIC SIGNAL INTERCONNECT PLANS

Lochner will prepare detailed signal interconnect plans that meet City formatting requirements and include:

- Conduit and cable routing
- Splice locations and pull box placement
- Communication devices and power supply integration
- Notes, legend, and schedules per City standards
- TMC rack layout and network diagrams
- CCTV placement and connection details

We typically submit plans at 80%, 100%, and final design milestones, with three (3) sets of drawings provided for each phase. All revisions from City review will be addressed prior to final submittal. Electronic files of all drawings and supporting documents will be delivered in accordance with City requirements.



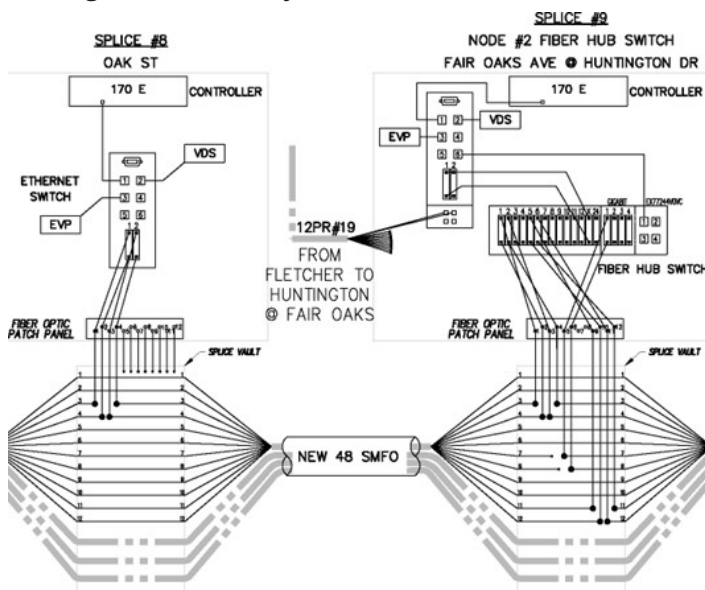
FIBER OPTIC COMMUNICATION PLANS

Lochner will prepare detailed fiber optic communication plans to support the installation of conduit and fiber optic cable along the identified project segments. Plans will be developed at a 1"=40' scale and will clearly show:

- Existing curb lines, right-of-way, and centerlines
- Known utility infrastructure based on record drawings
- Proposed conduit and fiber optic cable routing
- Pull box locations
- Traffic signal controller placement
- Fiber optic splicing and termination details
- IP address tables and connection schematics

If required, Lochner will coordinate with the City to conduct potholing at key locations to determine the precise location and depth of existing utility lines. This helps inform the most feasible and cost-effective routing of the new interconnect system.

Plans will also include trenching details (if applicable), splicing and termination configurations within vaults and traffic signal cabinets, and communication diagrams showing how the fiber optic system connects to field ITS devices such as signal controllers, video detection systems, and wireless radios. A detailed fiber optic diagram will depict how individual fibers in the bundle will be allocated and connected across the system, with routing back to the City's TMC.



WIRELESS INTERCONNECT COMMUNICATION PLANS

As needed, Lochner will prepare supplemental wireless communication plans to accompany the PS&E traffic signal or communication plans. These plans will reflect the City's requirements for wireless Ethernet radios and include:

- Communication diagrams showing wireless radios and their network connections
- Routing between ITS field devices and the City's TMC
- Integration details for video detection, controllers, and other wireless-enabled infrastructure

Plans will include typical construction and layout details to ensure full compatibility with the City's wireless standards and communication protocols.

COST ESTIMATES AND TECHNICAL SPECIFICATIONS

Lochner will prepare detailed cost estimates and technical specifications in conjunction with implementation plan submittals at the 90%, 100%, and final design stages. Estimates will be informed by:

- Recent project bid results
- City and Caltrans cost data
- Vendor and distributor budget pricing
- Historical unit costs from comparable projects

Technical specifications will be based on the City's boilerplate templates and may incorporate Caltrans Standard Plans and Specifications or other applicable City-required documents. If requested, Lochner will provide a detailed quantity takeoff as part of the final engineer's estimate.

GRANT APPLICATIONS AND MANAGEMENT

GRANT MANAGEMENT SUPPORT

Lochner has been providing comprehensive grant management services since 2010, helping cities navigate the complexities of state and federal funding programs. Our team supports clients in securing, tracking, and administering funds for both design and construction phases of transportation projects.

We are currently developing an internal grant tracking and management tool to further streamline the process of coordinating with Caltrans Local Assistance and managing project compliance requirements. Our grant support services include:

- Development of project milestone schedules
- Completion of time extension requests
- Assistance with environmental clearance and documentation
- Preparation of right-of-way certifications
- Completion and submittal of the E-76 funding authorization package
- Support in preparing the award package and contractor concurrence
- Invoicing coordination and tracking of project expenditures
- Completion of Caltrans semi-annual reports and other compliance forms

Lochner's successful grant management experience spans multiple agencies and funding programs, including SS4A, CMAQ, ATP, HSIP, SSARP, and BCIP. Sample projects we've supported include:

- **Port of Long Beach** – Pier J Segment 1 (CMAQ & ATP), Pier J Segment 2 (ATP), Ocean Blvd Improvements (CMAQ & ATP)
- **City of Long Beach** – 3rd Street and Broadway Corridor (ATP), Delta Ave Bike Blvd (ATP)
- **City of Menifee** – Signal Interconnect (East & West, HSIP & E-76), SSARP & Citywide ADA/Pedestrian Improvements
- **City of Garden Grove** – Bicycle Corridor Improvements (CMAQ/BCIP), Bicycle Planning Program (ATP Cycle 2)
- **City of Yorba Linda** – Citywide Pedestrian Signal Upgrades (HSIP & E-76)

GRANT APPLICATIONS

Lochner's staff is highly experienced in the development and preparation of a wide variety of funding programs. Over the past decade, our planners and engineers have developed over 80 successful grant applications for agencies across Southern California, securing \$275 million as a result of these efforts.

EXPERTISE IN GRANT APPLICATION PREPARATION

Lochner's grant writing professionals leverage in-house templates, GIS datasets, and long-standing inter-agency relationships to develop complete and persuasive applications. Our team uses proprietary tools to process and analyze SWITRS collision data, collect and validate survey data, annotate geospatial datasets, and forecast active transportation mode share. These tools significantly reduce processing time and enhance accuracy, enabling us to meet tight deadlines while delivering high-quality outputs.

LOCAL KNOWLEDGE AND SPECIALIZED EXPERIENCE IN ATP & SRTS PLANNING

Lochner has developed a strong reputation in active transportation and Safe Routes to School (SRTS) planning, with particular emphasis on projects serving disadvantaged and low-income school-adjacent communities. We have delivered 12 comprehensive active transportation and SRTS planning efforts for jurisdictions such as Apple Valley, Barstow, Burbank, Colton, Garden Grove, Indio, Los Angeles (LADOT), Santa Clarita, Vista, San Bernardino County, and the Morongo Basin in partnership with SCAG. In just the past two years, Lochner has prepared or is actively developing SRTS plans for 209 public schools across Southern California. This depth of experience provides us with a well-rounded and practical understanding of the

planning, engagement, and technical elements required to deliver successful and competitive ATP applications.

PROFICIENCY IN TRANSPORTATION ENGINEERING

Lochner's in-house transportation engineers ensure that every proposed facility included in a grant application is fully compliant with state and federal design standards and can be justified within the application scoring criteria. Our engineers serve as integral advisors throughout the planning and grant writing process, enhancing the technical robustness and constructability of each proposed improvement.

CIVIL ENGINEERING DESIGN SERVICES

Lochner's in-house civil engineering group enhances the City's capacity to deliver fully integrated improvements. We provide practical, constructible solutions rooted in field experience and local standards. Our capabilities include:

- Roadway and intersection design, including grading and drainage
- Curb ramp upgrades to meet ADA compliance
- Utility coordination and underground utility design
- Pavement design, reconstruction, and resurfacing plans
- Hydrology/hydraulics assessments and stormwater infrastructure design
- Erosion control and SWPPP preparation

We coordinate closely with other disciplines—such as traffic and lighting design—to ensure consistency, accuracy, and cost-effective solutions across all project elements.

TRAFFIC ENGINEERING

Lochner offers specialized traffic engineering services with a strong emphasis on signing and striping design. Our team prepares clear, precise plans for pavement markings, lane configurations, and sign placement. We integrate safety, visibility, and long-term maintainability into every design. Whether for roadway resurfacing, new alignments, or traffic calming projects, our signing and striping plans are tailored to support multimodal travel and to enhance operational performance for both urban and rural transportation networks.

SPECIAL STUDIES AND ON-CALL SUPPORT

Lochner offers specialized services that address complex, context-sensitive transportation issues as they arise. These studies are tailored to the City's unique needs and can be initiated on an as-needed basis:

- Neighborhood traffic calming studies and multi-modal safety assessments
- Warrant analyses for stop signs, signals, and pedestrian crossings

- Safety studies and reviews
- Parking utilization studies and curb management strategies
- School and private development circulation and safety evaluations
- Staff augmentation and on-site engineering support for short-term or long-term assignments

OUTSTANDING CONSTRUCTION MANAGEMENT AND INSPECTION

Lochner offers a full-service Construction Management and Inspection division, staffed by seasoned professionals who focus exclusively on delivering high-quality oversight for public works construction projects. With over 80 years of experience, we have developed proven procedures to effectively manage construction contracts and contractor performance across a wide variety of disciplines.

A core aspect of our management strategy is schedule control, which we treat as a primary tool to manage both project progress and budget. Lochner has a strong track record of delivering projects on time and within budget, with minimal disruption to City operations and the surrounding community.

EXPERIENCED LEADERSHIP

Our construction management services are led by experienced professionals such as Martin Arshid, PE, who has managed public agency contracts for over 25 years. The majority of our proposed staff have been with Lochner for a significant length of time and are ready to support the City as project needs arise.

CONSTRUCTION MANAGEMENT & INSPECTION SCOPE OF SERVICES

Our comprehensive Engineering & Inspection services include:

- Reviewing plans, specifications, submittals, and RFIs
- Evaluating proposed change orders and providing recommendations
- Reviewing shop drawings for compliance
- Photographing work before, during, and after construction
- Providing field inspection to ensure compliance with approved plans
- Preparing detailed daily inspection reports, documenting site conditions, quantities, staffing, and any incidents
- Performing or reviewing materials testing including soil compaction, asphalt, and concrete testing
- Coordinating inspections with utility providers and regulatory agencies
- Ensuring compliance with NPDES permits and other local, state, and federal environmental regulations
- Coordinating specialized inspections and testing as required
- Reporting any instances of non-compliance to City staff
- Supporting review of contractor progress payments, including quantity verification
- Creating as-built redlines for all field changes
- Conducting final inspections and project close-out, including punch list verification
- Providing full DBE, labor, and contract compliance support for federally funded projects

CONSTRUCTION MANAGEMENT

Lochner has successfully managed a broad spectrum of public infrastructure projects, ranging from roadways and highways to utilities, water systems, sewer and stormwater facilities, electrical and traffic signal systems, as well as rail and transit infrastructure. Our experience also extends to complex heavy civil and bridge structures, wharf and port facilities, and federally funded capital projects. Backed by decades of field-tested expertise, our construction managers have supported projects for Caltrans, municipal agencies, utilities, and private sector clients alike. We pride ourselves on delivering responsive, informed, and community-sensitive construction management services that keep stakeholders aligned, minimize disruptions, and ensure each project progresses smoothly from inception through completion.

CONSTRUCTION INSPECTION AND OBSERVATION

Lochner provides construction observation and inspection services for nearly every type of municipal and public works project. Our inspectors bring decades of field experience and are recognized for maintaining project momentum, proactively addressing contractor challenges, and ensuring all work complies with applicable standards and specifications. We have specialized expertise in federally funded infrastructure projects, transportation and utility construction, roadway improvements, signal and ITS system installations, port and rail facility enhancements, and environmental compliance oversight. Lochner's commitment to quality, clear communication, and accountability has made us a trusted partner for construction inspection services throughout California.

ORGANIZED FOR DELIVERY - OUR PROPOSED TASK AREAS

To efficiently deliver these expanded services, Lochner has structured our proposal into the following task categories:

1. Transportation Planning
2. ITS Design and Engineering
3. Grant Application and Management Support
4. Research and Outreach

5. Civil Engineering
6. Program and Construction Management

Each service category will be led by a dedicated task lead responsible for technical quality and delivery, under the overall direction of:

- Martin Arshid, PE – Project Manager & Principal
- Giuseppe Canzonieri, PE – QA/QC Manager & Principal
- Min Zhou, PE – Principal-in-Charge
- Walter Okitsu, PE – Senior Technical Advisor

These leaders are supported by our multidisciplinary team based in Lochner's Orange office, ensuring rapid response, seamless communication, and ongoing coordination with City staff throughout all phases of project delivery.

QUALITY CONTROL/QUALITY ASSURANCE (QA/QC)

A key factor in ensuring successful project delivery is clear accountability. At Lochner, the assigned Project Manager will serve as the primary point of responsibility to the City, ensuring that each task order is delivered in full alignment with the scope, budget, and schedule outlined in the proposal.

To uphold our commitment to quality, Lochner implements a robust internal Quality Assurance and Quality Control (QA/QC) program, led by Giuseppe Canzonieri, that supports all phases of project development. Our process is designed to catch potential issues early, ensure conformance with agency standards, and promote consistent, high-quality deliverables. Each submittal undergoes at least two tiers of internal review before it is released for agency submission:

- Tier 1 – Peer Review:
The initial review is conducted by an experienced engineer or planner not directly involved in the production. This ensures a fresh perspective and cross-discipline input.
- Tier 2 – Senior Review:
A second, independent review is performed by one or more senior-level staff member, each with over 15 years of experience in their respective fields. These reviewers confirm that the design meets the intended scope, complies with the applicable agency standards, and adheres to the required formatting and technical specifications.

Reviewers also verify that comments from previous iterations have been fully addressed and resolved in the updated plans or deliverables.

For infrastructure projects, Lochner conducts a constructability review at the 95% PS&E phase. This includes an on-site walk-through with project plans in-hand, to assess the design from a contractor's point

of view. This exercise allows us to proactively identify potential construction challenges, change order risks, and conflicts that could arise during implementation. Recommendations are then incorporated to minimize field issues and support smoother project delivery.

To enhance our QA/QC effectiveness, we utilize Bluebeam Revu for all design plan reviews. This cloud-based software enables simultaneous, paperless commenting, clear documentation of changes, and efficient response tracking, all of which help streamline the review and submittal process.

Our disciplined QA/QC process has earned Lochner a strong reputation among public agencies for delivering technically sound, constructible, and high-quality engineering plans. We take pride in our ability to meet the expectations of our clients and ensure a consistent standard of excellence in every project we undertake.

AVAILABILITY

Lochner has a proven track record of successful project delivery and is consistently recognized for the quality of our work and the efficiency of our processes. We are well-positioned to manage internal personnel changes and unrelated project commitments without compromising the quality or timeliness of services provided under this contract. Team member availability is detailed in the accompanying table (see the Staff Skills Matrix in the Appendices), and we are fully prepared to scale our staffing by adding qualified personnel as needed to address unanticipated workload increases or schedule accelerations.

Currently, 50 percent or more of our proposed team's time is available for this assignment. While several team members are in the process of completing other active projects, they are anticipated to have the necessary availability by the time any task orders begin. The team will have sufficient capacity and focus to carry out all tasks in the work plan efficiently and to the highest professional standards.

Lochner California					
2025 Hourly Billing Rates					
Job Framework Title	2025	2026	2027	2028	2029
Regional Manager/Principal II	\$360	\$378	\$397	\$417	\$438
Office Manager I/Principal I	\$330	\$347	\$364	\$382	\$401
Program Director I	\$330	\$347	\$364	\$382	\$401
Project Manager III	\$300	\$315	\$331	\$347	\$365
Project Manager II	\$260	\$273	\$287	\$301	\$316
Project Manager I	\$210	\$221	\$232	\$243	\$255
Engineer IV	\$300	\$315	\$331	\$347	\$365
Engineer III	\$260	\$273	\$287	\$301	\$316
Engineer II	\$210	\$221	\$232	\$243	\$255
Engineer I	\$185	\$194	\$204	\$214	\$225
Engineer Associate II	\$160	\$168	\$176	\$185	\$194
Engineer Associate I	\$140	\$147	\$154	\$162	\$170
Planner IV	\$200	\$210	\$221	\$232	\$243
Planner III	\$180	\$189	\$198	\$208	\$219
Planner II	\$160	\$168	\$176	\$185	\$194
Planner I	\$140	\$147	\$154	\$162	\$170
Designer III	\$200	\$210	\$221	\$232	\$243
Designer II	\$180	\$189	\$198	\$208	\$219
Designer I	\$160	\$168	\$176	\$185	\$194
Construction Engineer IV	\$250	\$263	\$276	\$289	\$304
Construction Engineer III	\$230	\$242	\$254	\$266	\$280
Construction Engineer II	\$210	\$221	\$232	\$243	\$255
Construction Engineer I	\$180	\$189	\$198	\$208	\$219
Inspector III	\$175	\$184	\$193	\$203	\$213
Inspector II	\$165	\$173	\$182	\$191	\$201
Project Services Coordinator III	\$145	\$152	\$160	\$168	\$176
Project Services Coordinator II	\$125	\$131	\$138	\$145	\$152
Project Services Coordinator I	\$105	\$110	\$116	\$122	\$128
Intern	\$100	\$105	\$110	\$116	\$122

General Provisions:

* Project reimbursable expenses are billed at cost.

* Project expenses include: Non-commuter automobile mileage (\$0.67 per mile) or current IRS rate, postage and special courier expenses, travel expenses, reproduction, subcontractor services and other direct project expenses as requested by the client.

* Telephone, equipment, and fax are included in the above hourly costs.

* Direct expenses including blacklining, commercial CAD plotting, sub-consultant expense, issuance of specially endorsed insurance certificate, and direct costs are billed at cost plus 5% unless stated otherwise in the proposal.