

PROFESSIONAL SERVICES AGREEMENT
[Pavement Management Survey Services]

THIS PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made at Orange, California, on this ____ day of _____, 2026 (the "Effective Date") by and between the CITY OF ORANGE, a municipal corporation ("City"), and BUCKNAM INFRASTRUCTURE GROUP, INC., a California corporation ("Contractor"), who agree as follows:

1. **Services.** Subject to the terms and conditions set forth in this Agreement, Contractor shall provide 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 and regulations and to the best professional standards and practices. The terms and conditions set forth in this Agreement shall control over any terms and conditions in Exhibit "A" to the contrary.

Dien Vu, Senior Civil 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 ONE HUNDRED THIRTY-NINE THOUSAND SIXTY-SEVEN DOLLARS and 00/100 (\$139,067.00) 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, but may withhold 10% of any invoice until all work is completed, which sum shall be paid within thirty (30) days of completion of the work and 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, only Peter J. Bucknam or "qualified persons" shall perform work 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.** Contractor agrees to commence the work provided for in this Agreement within ten (10) days of the date herein above stated and to diligently prosecute completion of the work in accordance with the time period set forth in Exhibit "A" hereto or 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. **Liquidated Damages.** Contractor shall pay City, or have withheld from monies due it, as liquidated damages, the sum of One hundred Dollars (\$100.00) per day for each and every calendar day delay in finishing the work within the time specified, including any written extensions which may be granted, in writing, in accordance with this Agreement.

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.

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.

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 (\$1,000,000.00) 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 (\$1,000,000.00); 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 (\$1,000,000.00) 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. In such a case, City may procure insurance or self-insure the risk and charge Contractor for such costs and any and all damages resulting therefrom, by way of set-off from any sums owed Contractor.

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”

Bucknam Infrastructure Group, Inc.
3548 Seagate Way, Suite 230
Oceanside, CA 92056
Attn.: Peter Bucknam

Telephone: 760-216-6529
E-Mail: Peter@bucknam-inc.com

“CITY”

City of Orange
300 E. Chapman Avenue
Orange, CA 92866-1591
Attn.: Dien Vu

Telephone: 714-744-5551
E-Mail: dvu@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.

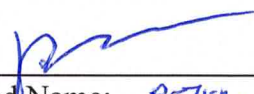
[Remainder of page intentionally left blank; signatures on next page]

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

"CONTRACTOR"

BUCKNAM INFRASTRUCTURE GROUP,
INC., a California corporation

*By: 
Printed Name: PETER BUCKNAM
Title: PRESIDENT

*By: 
Printed Name: PETER BUCKNAM
Title: SECRETARY

"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:**

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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

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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.]

PROJECT REQUIREMENTS

Scope of Work:

The purpose of this RFP is to enter into a contract with a consultant firm to updated and maintain the current Pavement Management Program (PMP). The Consultant will provide the City of Orange with biennial comprehensive report and the required documentation that will be submitted to the Orange County Transportation Authority (OCTA). All tasks in this RFP shall be completed on a biennial schedule. The Consultant will have 12 weeks to complete the work from the date of the Notice to Proceed.

The PMP must include:

- A. The current status of road pavement conditions
- B. A seven-year plan for road maintenance and rehabilitation (including projects, funding, and any unfunded backlog of pavement needs)
- C. The projected pavement condition resulting from the maintenance and rehabilitation plan
- D. Alternative strategies and costs necessary to improve road pavement conditions

Task 1 – Project Orientation

Meet with the City to discuss details of project expectations, project development, implementation and scheduling

Task 2 – Conduct Pavement Condition Survey

Pavement data collection and inspection shall be conducted via a windshield survey in a vehicle at slow speeds (5 to 10 mph) for all City maintained MPAH routes, local streets (collector, industrial, residential) and alleys. Private streets and County roadways will not be included. Updates to the PMP pavement conditions shall be based on Micro Pavers distress manual identification guide for all asphalt and concrete surfacing. The survey shall capture work history and deteriorated conditions.

City of Orange Street System Network:

| <u>Pavement Class</u> | <u>Centerline Miles</u> | <u># of Sections</u> |
|--------------------------|-------------------------|----------------------|
| MPAH | 95.9 | 480 |
| Residential & Industrial | 222.6 | 1,897 |
| Alleys | 11.5 | 109 |
| Total | 330.0 | 2,486 |

Task 3 – Roadway Verification Survey

During the inspection of the roadways, the Consultant shall obtain measurements of each street width, length, and surface classification; this data shall be compared with existing database information. Discrepancies in the pavement data shall be tabulated and reviewed by the Consultant and City prior to updating the PMP data file. The Consultant shall provide confirmation that the total length of street centerline millage is consistent in both the GIS and the PMP database. Any new streets accepted by the City or those that exist but have been left out of the previous database shall be entered into the new database. The Consultant shall separate the Industrial streets from the residential streets, for this reporting period as the current PMP has them grouped under on category.

Task 4 – Pavement Management Report

Prepare a report, which documents the condition of all pavement segments inventoried including the surface types and provide a separate citywide pavement condition index for each surface type, i.e. asphalt concrete, Portland cement concrete, etc. A sample report is available for review at the City. The consultant shall adhere to the OCTA Countywide Pavement Management Plan Guidelines March 2025 requirements.

A list of all maintenance and repair work completed within the past two (2) years will be provided by the City, and the Consultant shall enter that information into the PMP database. The Consultant will receive recent construction cost information from the City from recent projects that include similar work for their use.

The Consultant shall identify the type of maintenance, rehabilitation, or replacement treatments required for each street segment, and the estimated cost of performing alternative treatments. Current unit cost for the various types of maintenance and repair work shall be calculated, and added to the database.

Task 5 – Status Meetings

The Consultant shall meet with the City's Project Manager during the field review process for the purpose of reviewing progress and resolving any issues/questions regarding the street inspection. The Consultant shall be prepared to submit monthly updates, and completed inspection work. The City will conduct random surveys from the data received for quality control. If discrepancies are found a conflict resolution meeting will be requested.

Other Conditions:

1. All fees for each phase shall include labor, materials, reprographics, and meetings. All approved deliverables shall become the property of the City of Orange.
2. As part of the proposal, Consultant shall provide an activity schedule showing project milestones and completion time conforming to the event schedule.
3. A copy of the City's standard Consultant Services Agreement is attached. The Agreement must be fully executed prior to the start of this project. Proposers responding to this RFP are strongly advised to review all of the terms and conditions contained in the form of the agreement. Any modifications to the agreement language shall be included as part of the proposal.
4. A sample insurance document checklist is also provided with this RFP. Proof of insurance shall be provided by the selected firm prior to execution of an Agreement.

THE CONSULTANT PROPOSAL:

In order to maintain uniformity of the proposals, the Consultant shall discuss and organize topics outlined as follows:

- Cover Letter
- Project Understanding
- Relevant Experience
- Consultant Project Team
- Work Progress Activity Schedule

1. The proposal discussing the topics above shall contain no more than twenty (20) pages on 8½"x11" sheets, hardbound cover or GBC bound. Text font size shall be no smaller than 10 points. Supplementary sheets including resumes may be inserted at the end of the proposal.
2. Consultant shall include with the proposal names of all sub-consultants and list the specific areas they will work on. City reserves the right to approve final selection of all sub-consultants.
3. As part of the proposal, Consultant shall provide a project schedule showing the tasks, project milestones, and completion time for accomplishing the required tasks matching the sequence of deliverables.
4. Selected Consultant shall provide insurance documents per the attached checklist prior to contract award.

The City shall provide:

1. Existing Micro Paver Data File
2. City base maps and GIS pavement layering files
3. City Street Map
4. Sample of Pavement Management Report

Deliverables:

1. Updated Micro Paver Data File
2. Updated City base maps and GIS pavement layering files
3. Four (4) copies of the Comprehensive Pavement Management Plan Report formatted to meet City Requirements (Arterial, Residential, Industrial Streets and Alleys)
4. Eight (8) copies of the Pavement Management Plan formatted to meet OCTA Countywide PMP Guidelines

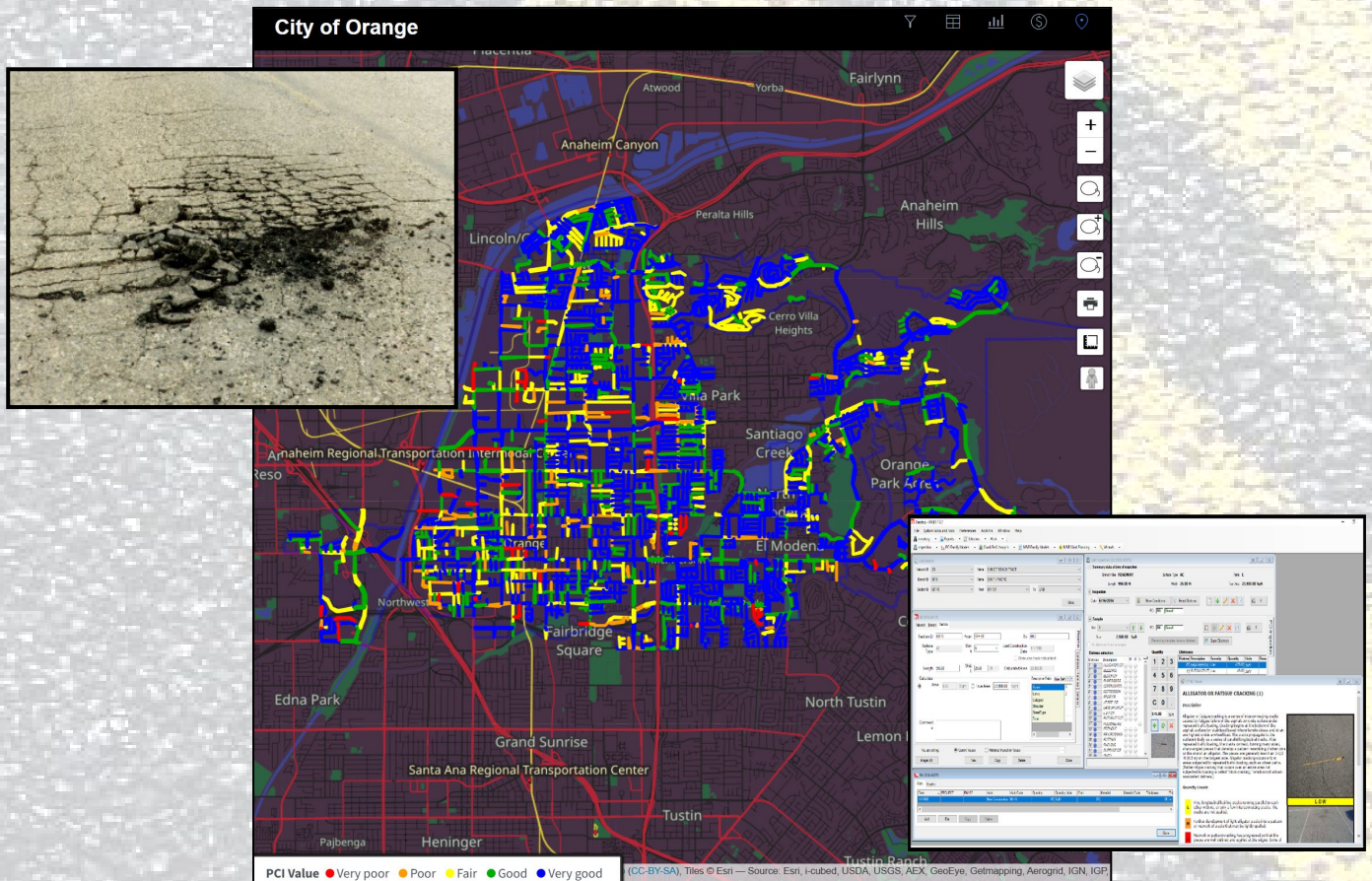
Miscellaneous:

- 1) Meetings and coordination will be ongoing for the duration of the project. Consultant will be available as needed to insure that the project goals are met. The scheduled meetings do not preclude Consultant or City Project Manager to call for intermediate meetings to resolve issues at hand. All minutes of the meetings will be prepared by the Consultant and forwarded to the City's Project Manager for review and approval
- 2) Progress payments shall be based on the sequence of deliverables as follows:
 - 50% of total payment after satisfactory completion of Phase 1 (Survey)
 - 50% of total payment after satisfactory completion of Phase 2 (PMP Report)
- 3) Scope of work and all related Project Files and Reports shall be completed within 60 calendar days from Notice to Proceed, excluding City review time, *100 Calendars days will be allowed for FY 2029-2030*. The Consultant shall have monies due it withheld as liquidated damages in the sum of \$100.00 per day for each calendar day delay in finishing the work within the time specified in the event schedule

PROPOSAL FOR PAVEMENT MANAGEMENT PROGRAM (PMP) CONSULTING SERVICES FY 25/26 TO FY 29/30

City of Orange, CA
November 3, 2025

Submitted by:
Bucknam Infrastructure Group, Inc.



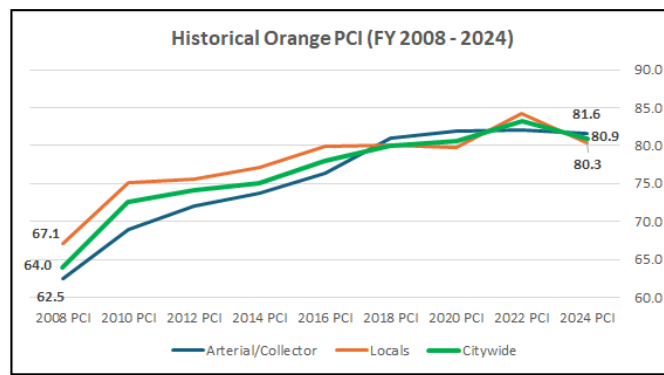


Project Understanding & Approach

As the City of Orange infrastructure matures, the City's staff is striving to update the City's Pavement Management Program (PMP) through cost effective condition surveys, engineering cost evaluation, Arterial CIP and "neighborhood" budgetary reporting and work history updates within the PMP database. **Bucknam's experience through adherence to scope, schedule and cost have proven itself over the past twenty-seven (27) years of PMP service to Southern California local agencies.**

The City requires a team that will continue to not only survey the defined sections using cost-conscious methodologies but will create a comprehensive program that includes the enhancement of your multi-year PMP CIP, neighborhood maintenance, essential data for PS&E bid document preparation, MyRoads® publication and the knowledge of the inner workings of your MicroPAVER PMP software.

As shown to the right, Bucknam has been a key asset in aiding the City manage its PMP over the past twenty (20) years. The City PMP Team has generated a 17 point PCI increase since 2008; our goal for this project is to continue this success and identify what levels of annual revenue are needed to sustain the high condition levels thru FY 2033.



Bucknam will provide these services through our proactive and accurate update of your PMP; we will address the City's primary goals of:

- Updating MicroPAVER with 2025 maintenance data, segmentation improvements and inspections;
- Enhancing the Orange PMP database with 2024 to 2026 work history data entries;
- Surveying approx. 95.9 miles of Arterial / Collector sections during FY 2025-26 & FY 2027-28. Additionally, approx. 330 miles of Arterial / Collector, Local and Alley sections during FY 2029-30;
 - Verifying / Updating pavement centerline and metric data (PMP vs. GIS);
 - Generating Pavement Condition Index (PCI) ratings for each segment;
- Developing a proactive preventative slurry seal / overlay rehabilitation schedules based on existing/current capital funding allocations;
- Establishing solid recommendations for current / future maintenance and rehabilitation needs;
- Utilizing the City's existing/current funding to generate a seven (7) year Capital Improvement Program (CIP);
- Recommending alternative maintenance budgets that demonstrate realistic return-on-investments (ROI), i.e., increase PCI and maintain PCI models, etc.



- Updating the Orange MyRoads® PMP web-portal application

We have defined detailed phases to the scope of work in accordance to the City's RFP;

1. Project Implementation
2. Client Satisfaction
3. Scope of Work (Major Tasks)

1) Project Implementation

TASK 1.1: Project Kickoff

The first step in updating a successful pavement management program truly resides in frequent communication and timely scheduled data updates. For the City of Orange, it will be essential to establish, up front, the Public Works Department-Engineering division's pavement management priorities. Our team will set up a Project Kickoff meeting with City staff (i.e. Martin Varona, P.E. / PMP Team) to discuss and review in detail the expectations of the project, technical approach, section ID / GIS management & surveys, district/zone maintenance, MicroPAVER upgrades & use, deliverables within the scope of work and the review of schedule.

This effort will build consensus between the Public Works and Engineering staff as well as build stronger Arterial CIP and Local neighborhood maintenance programs that complement large Public Works CIP projects and annual maintenance projects.

Additional key topics to be discussed will include the review and assessment of the existing MicroPAVER pavement plan/data; its current and future use, MyRoads®, survey areas based on recent maintenance work and schedules, new construction, data quality and condition, current pavement procedures, historical expenditure levels and desired service levels. Bucknam currently has access to the City's most recent MicroPAVER database and will utilize it for project set up.

Deliverable: Meeting minutes, revised project schedule (if necessary)

TASK 1.2: Project Status Meetings - Quality Control Program

Status Meetings and Progress Reports

- Minimum of three meetings during the project (kickoff, committee, City Council and status meetings) – minimum of eight (8) hours; Field review meetings; additionally bi-monthly progress status reports will be delivered to the City project manager.

Quality Control (QC)

We will use a statistical sampling approach for measuring the quality of our field technician's work. In this manner, 10 percent of the original annual surveys will be re-surveyed by an independent survey crew, supervised by a field supervisor, and the results will be compared to the original surveys (this will include a total of 10 miles of QC during FY 2025-26). Our QC process involves checking the field crews' work in a "blind study" fashion. This will ensure that all field personnel are properly collecting distresses and pavement quantities for all street segments. PCI variance reporting will be performed where previous PCI data will be compared to newly inspected 2025-26 PCI data; if PCI's vary more than ten (10) points per year Bucknam



Project Understanding

staff will assess the potential cause through unrecorded work history, accelerated pavement deterioration, etc. Bucknam will record/log any discrepancies between the previous and current PMP databases (any corrections/changes to the database shall not be made without prior City staff approval). **Since we are collecting distress information on our field tablets with the Orange PMP database live, our staff will perform several quality control tests within MicroPAVER using a sample set of the City of Orange's street distress data.** This will ensure that all system and analysis settings as well as City recommendations and standards are being followed.

Over the past two years, Bucknam has submitted over fifty (50+) OCTA/METRO compliant reports for Orange and LA County municipalities, they include:

| Orange County PMP Clients (Current) | | |
|--|----------------------|------------------------|
| Brea | La Palma | Rancho Santa Margarita |
| Costa Mesa | Orange | Tustin |
| Laguna Hills | Laguna Beach | Westminster |
| Fountain Valley | San Juan Capistrano | La Habra |
| Huntington Beach | Laguna Woods Village | Fullerton |
| Seal Beach | Santa Ana | Placentia |
| Buena Park | Cypress | Stanton |
| | Garden Grove | |
| Los Angeles County PMP Clients (Current) | | |
| Long Beach | Alhambra | El Segundo |
| Duarte | Culver City | Lomita |
| Rancho Palos Verdes | Downey | Glendora |
| Signal Hill | Pomona | Sierra Madre |
| Monterey Park | Hermosa Beach | South Pasadena |
| Compton | Lynwood | Norwalk |
| Monrovia | Rosemead | Bellflower |
| Lawndale | Covina | Beverly Hills |
| La Verne | South Gate | La Habra Heights |
| San Marino | Temple City | South El Monte |
| West Covina | Commerce | Lakewood |
| Gardenia | Manhattan Beach | Whittier |
| | Bell | |

Our surveys follow the accepted ASTM D6433 procedure requirements. A copy of the QA/QC plan utilized by our staff during the project will be submitted along with the PMP certification documents. Our staff attends the OCTA PMP Distress Training Classes held each year, 2011 thru 2025.

In May 2025 our staff was acknowledged as “qualified inspectors and firm” to prepare PMP’s compliant with the OCTA Countywide Pavement Management Guidelines (this certification/compliance runs through June 2027).

Additionally, Bucknam was selected by the Orange County Transportation Authority (OCTA) in 2022 to perform a 10-year Pavement Management Plan analysis on ALL 35 Orange County local agencies PMP’s.

2) Client Satisfaction

TASK 2.1: Project Deliverables

Shown throughout our Scope of Work, each Task is summarized with project deliverables. Client satisfaction will derive from frequent communication with the Project Manager and key staff members from the Public Works department. Project success is created by delivering on three main factors;

- 1) Adherence to scope tasks and deliverables
- 2) Performing to the standard set by the Project Schedule; and
- 3) Controlling costs.

Our Project Manager will follow each of these factors throughout the duration of the project. **Bucknam's experience through adherence to scope, schedule and budget have proven itself over the past twenty-seven (27) years of PMP service to Southern California local agencies.**

Deliverable: Project Status Updates, as stated in Task 1.2

3) Scope of Work (Major Tasks)

TASK 3.1: Update Maintenance and Rehabilitation Activities

The City will provide Bucknam with a complete listing of all major work (overlay, slurry, etc.) in hard copy/digital format to Bucknam for updating specific section work histories and PCI ratings. Bucknam will review all maintenance and rehabilitation projects completed and/or scheduled by the City since the last PMP update in 2024; this will include work history updates on arterials and locals. Our staff will enter the necessary work history updates as mentioned above (i.e. data entry of maintenance / rehabilitation activities) into your MicroPAVER database.

Deliverable: Update PMP data, Work History report

TASK 3.2: Pavement Condition Surveys

First and foremost, the verification of the City's pavement segmentation is one of the key priorities for this project. Based upon the PMP/GIS section polygons Bucknam established during the 2020 PMP update (SF verifications), and with two years between major inspections, it will be essential to assess the Orange PMP segmentation. This quality control effort will confirm that section true area SF quantities remain accurate and reliable.



This will in turn create more accurate PCI's, engineering project cost estimations and total centerline / square footages of the PMP network. We will review/assess new and/or missing



Project Understanding

streets previously excluded from the last PMP update and create the necessary segmentation within the PMP database + GIS links.

Once the pavement segmentation has been verified, the necessary inspections will be performed. Our survey methodology will include the following approach based on ASTM D6433 guidelines:

1. **Windshield / Walking** - All sections are surveyed through “two-pass test” windshield / walking methodologies. AC/PCC distress types will be collected based upon actual surface conditions and physical characteristics of the segment.

Surveying methods will be conducted by remaining consistent with ASTM D6433 & the Army Corp of Engineers AC/PCC sampling guidelines while being flexible to current City requirements. All sample locations are observed through windshield / walking surveys; samples areas will cover a minimum of 20% of the total section area and will be 2,500 SF +/- 1,000 SF in size. The following Orange pavement sections are to be surveyed for the upcoming PMP updates:

- **2025-26** - The inspection of approximately 95.9 miles of MPAH segments will be performed; OCTA PMP report will be submitted prior to June 30, 2026
 - Survey will be completed within the 60 calendar day requirement
- **2027-28** – The inspection of approximately 95.9 miles of MPAH segments will be performed; OCTA PMP report will be submitted prior to June 30, 2028
 - Survey will be completed within the 60 calendar day requirement
- **2029-30** - The inspection of approximately 330 miles of MPAH segments will be performed; OCTA PMP report will be submitted prior to June 30, 2030
 - Survey will be completed within the 100 calendar day requirement
 - Alleys will be surveyed during the 2029-30 fiscal year

Our use of MicroPAVER tablet units allows our staff to collect pavement data with the City of Orange’s MicroPAVER database live in the field. Updated PMP data/inspections are transferred immediately to the Bucknam’s PMP Dashboard and can be reviewed at any time for quality control and management. **Our Tablet methodology sets us apart from the competition since we are using a paper-less inventory process to enter data; this in turn generates cost savings to enhance the project schedule and other portions of the project such as True Area SF calcs, CIP reporting, MicroPAVER training and on-call services.**

Roadway Verification Survey - A listing of the field attribute data that is updated/verified during the survey for the pavement management database is listed below (OCTA survey guidelines will be followed):

2. **Field Attribute Data (updated and/or verified)**

- Street name, from/to, indicating the assigned limits of the section
- Street ranking indicating arterial, collector, local, # of lanes, surface type (AC, PCC)
- Historical PCI tracking from previous inspections and 2025-26 PCI inspections
- Segment quantities, indicating the length, width and area of the section

3. **Conditional data will be evaluated for all street segments and will include:**



- ASTM D6433 20 AC & 19 PCC distresses by type, severity and extent
- Sampling/conditional data typically pulled from edge-of-pavement to edge-of-pavement sample areas
- PCI ratings (0-100), taking into account the surface condition, level of distress

We welcome staff members from the City of Orange to join our surveys. All pavement data will be entered into the City's MicroPAVER licensed software (purchased through this contract). All items listed above will be maintained by our staff for the duration of this project.

4. Section Distress and PCI Reporting

Upon 60% and 100% completion of the required condition surveys, we will prepare draft PCI Reports and PCI GIS maps that document the conditions of all pavement segments. This report will provide the necessary data for Bucknam and the City to use and determine projected street rehabilitation and maintenance project locations.

The City and our staff will review the PCI reports to ensure that all inventory data is correct and the project is running smoothly. Our PCI Reporting will include:

- PCI Report – Sorted by Name (A to Z), PCI Order (0-100), Zone (1, 2, 3);
- Work history report; and
- GIS Maps presenting PCI's by section.

Once the City has reviewed, assessed and commented on the draft report, we will address all requested revisions and deliver the final reports.

Deliverable: Citywide PCI reports, compliant OCTA PCI reports, PCI Variance report

DEVELOP RECOMMENDED IMPROVEMENT PROGRAM

TASK 3.3: Maintenance and Rehabilitation Assessment / Priorities

We will assist the City in developing the most cost-effective preventive maintenance and rehabilitation strategies necessary to achieve the desired level of serviceability. This will be accomplished by meeting with the City to discuss and strategize maintenance/rehabilitation activities that are currently being used by the City. Based on the City's current AC & PCC applications, and other maintenance practices used, we will conduct an historical and prospective analysis on the conditional and financial impact these practices have on the pavement network.

We will update the Orange MicroPAVER "decision tree" that will be used to generate pavement recommendations that match current fiscal year maintenance/rehabilitation approaches/City practices. This will be accomplished by assessing/updating the unique and individual PCI ranges and deterioration curves within PMP software based on functional class (i.e. arterial, collector and local) and age. Our staff will review the Orange deterioration curves that have been developed based on historical pavement condition, inspection, surface type, and road class data.

All maintenance practices/unit costs and scheduled projects will be integrated into the PMP and will be derived from the most recent construction bids. We will account for inflation rates when long-term revenue projections are made. Our Project Manager/Principal will work closely with the City in defining sound engineering-based repair and rehabilitation strategies for each fiscal



year and for each defined PMP zone within the network. **Once the repair/rehabilitation strategies have been defined, a 7-year Arterial/Local Forecast Maintenance & Rehabilitation (FMR) recommendations will be generated.** The recommended budget scenarios will be identified on the basis of several criteria:

- Assessment and review of the City's FY 2025-2030 Pavement CIP
- Present pavement conditions; desired levels of service and available resources
- Projected / Forecasted PCI's per section
- Cost benefit / ROI of individual strategies (minimum of three (3) scenarios)
- Scheduling with the City's major CIP projects (water, sewer, etc.)
- Budgetary findings/recommendations that satisfy OCTA guidelines
- Local "Neighborhood Zone" fiscal year reporting/improvement scheduling
- Future routine maintenance needs based on projected deterioration rates

The primary emphasis of this task is to maximize the scheduling of street maintenance using the most cost-effective strategies available and taking into account a life-cycle cost analysis.

TASK 3.4: Citywide CIP / OCTA Compliance Budget Reports

We will deliver the Final Report to the City which will be essential for staff reference and use as well as being presented in a way that is beneficial for elected officials/upper management. **This report will assist the City in complying with OCTA guidelines and submittal requirements.** The report will be prepared in a format that uses the information delivered by MicroPAVER in conjunction with the information and analysis performed by our team. The report will provide the City with information on:

- Identify present performance status of the entire network (section by section) as well as historical PCI performance;
- Current inventory and pavement conditions indices (PCI) for all road classes;
- Projected / feasible annual rehabilitation programs for street maintenance for a 7-yr period (Forecast Maintenance Reports FY 2026-2033) that show the largest return on investment and acceptable levels of service;
 - This will include a minimum of three (3) total scenarios;
- Modeling and comparison of budget scenarios typically include:
 - Current City FY 2026-2033 pavement budget;
 - Maintain current PCI;
 - Increase current PCI to a desired level;
- Each scenario will focus on optimizing the citywide PCI while staying within the City's annual budget forecast;
- Strategies and recommendations for the City's CIP/maintenance programs and procedures, including a preventive maintenance schedule;

Project Understanding

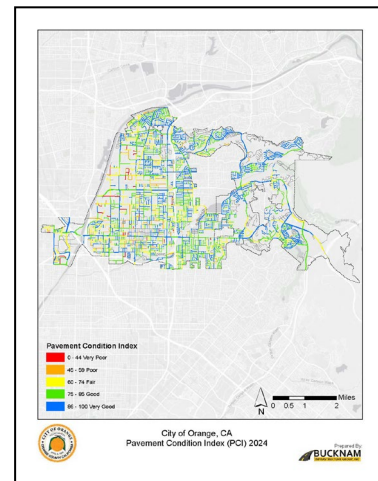
- Recommended action plan for future PMP updates and Arterial/Collector & Local survey schedules;
- Representation of forecasted scenarios within GIS mapping;
- Supporting documentation required by OCTA;
- A detailed breakdown of deferred maintenance (backlog); and

Deliverable: Four (4) copies and one (1) digital copy of the Final Pavement PMP Report (.pdf), will be sent to the City and final digital copies of the project related GIS files.

TASK 3.5: PMP – GIS Mapping

As an enhancement and proactive approach to this project, our staff will update the Pavement-GIS link between MicroPAVER, MyRoads® and the City's GIS Enterprise. Bucknam has access to the 2024 PMP-GIS shapefile; this allows our staff to immediately utilize the file and prepare for internal PMP editing, survey and reporting. The maps described below will be incorporated into the City's Final PMP report:

- PCI condition values for every section
- Work History identifications
- 7-yr Arterial / Local Rehabilitation and Slurry Seal Programs
- Functional classification and surface type maps



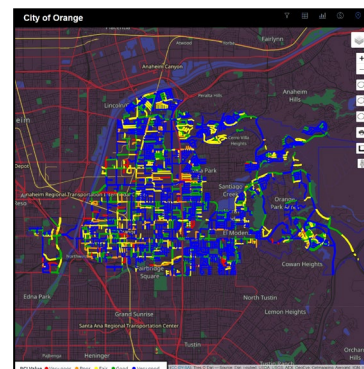
Once the Pavement Segmentation Report is finalized, we will update the necessary MicroPAVER-GIS linkages. By using the unique Street ID's within MicroPAVER and the City's ESRI PMP shapefile ID's, we will update the one-to-one match for each pavement section in the GIS. Our staff will coordinate all project deliveries with the Public Works and the GIS division to ensure that the most current and accurate PMP-GIS maps are represented within the City's GIS enterprise.

Deliverable: Complete GIS files/themes based on list above (project .mxd/shapefiles).

TASK 3.6: Orange MyRoads® PMP Web-Portal

Orange MyRoads® Web-Portal - Bucknam's MyRoads® is a great match for Orange PMP today and the future. **MyRoads® brings your PMP data to life within a dynamic dashboard! Bucknam has shown the 2024 Orange MyRoads® account in active use!**

Bucknam now provides all our PMP clients with a unique and agency driven "MyRoads®" web-portal that provides instantaneous access to your pavement management database. This "dashboard" allows users to toggle through individual sections via GIS mapping selections, zone queries, rank selection, PCI ranges, etc. to review all section metrics,



Project Understanding



latest/previous inspections, work histories generate filtered PCI reports and identify potential maintenance costs based upon your unique needs.

This tool will be accessed by City staff simply through a Username/Password methodology. As changes are made to the Orange PMP database the MyRoads® dataset is changed to reflect work history edits, PCI inspections and section changes.

In summary, MyRoads® allows the user to perform the following dynamic functions:

- Query specific pavement segment(s) to view current/historic PCI, work history inspection;
- Filter for pavement sections within a defined zone, PCI range and/or functional class;
- Select a pavement section or grouping of sections through the on-board GIS tool;
- Enter slurry, overlay & reconstruction unit costs to determine preliminary cost of maintenance and resulting citywide PCI
 - Display critical street / sidewalk / ROW assets along pavement section(s) that are critical to Engineering Bid development and solicitation (ADA ramps, utilities, manholes, trees, etc).
- Displays all final GIS project maps (PCI, work history, 7-yr forecasted maintenance, etc.)
- Bucknam will train Orange staff in the simple use of the MyRoads® dashboard.

Deliverable: PMP software training, field and internal technical support

OPTIONAL SERVICES

TASK 3.7: Citywide Sidewalk Management Services

Sidewalk Management Program Support

With the City continuing its biennial PMP requirement Bucknam will provide Sidewalk Management services to aid our upcoming Pavement inspections. **Due to the fact that our staff will be actively surveying the street/PMP network, Bucknam is proposing to reduce our typical citywide sidewalk survey fees by 20% since our staff can perform both the street and sidewalk surveys simultaneously.**



Bucknam will initially need to develop a clear and accurate citywide Sidewalk GIS layer that represents where known sidewalk locations are. This will require Bucknam to digitize sidewalk locations that will be represented by GIS polylines. This first year effort will be

Project Understanding



to update the existing citywide sidewalk polyline layer that will in turn continue upon our sidewalk inspections.

Our staff will utilize the City's available street segmentation data within MicroPAVER to establish the sidewalk segmentation, survey and schedule. Our staff will utilize additional data such as the City's GIS centerline, aerial imagery and other viable data that will assist our internal sidewalk GIS layer development and field operations.

All sidewalk inventory and distress data will be collected through the use of our hand-held GPS units. Through the use of ArcPad, our Trimble GPS unit utilizes a data capture screen to record all inventory and inspection data define by the scope of work. Once the sidewalk segmentation has been assessed and verified, the inspection of approximately 561 miles of sidewalk segments will be performed (based on 330 miles of streets with 85% of the sections having sidewalks on both sides). Bucknam will coordinate/perform the sidewalk and pavement management surveys together for efficiency. **We welcome staff members from the City of Orange to join our surveys.**

Our use of mobile **GPS Handheld/Tablet units allows our staff to collect sidewalk data with the City of Orange's database live in the field.** At the end of the day all electronic data is transferred to our office for quality control and management. We can produce Sidewalk GIS Distress locations at any time during the survey for City QC and/or review.

Section Distress and Condition Reporting

At 50% and 100% Bucknam will generate Sidewalk / ADA Ramp Location / Distress Reports for City staff review. The City and our staff will review these reports to ensure that all inventory data is correct and the project is running smoothly.

Deliverable: Defined Priority criteria, updated citywide Sidewalk GIS layer, Citywide Sidewalk Distress Reports, Recommended repairs; GIS Distress/Deficiency maps.



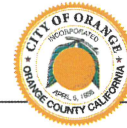
Critical Path Method (CPM) Project Schedule

Our project schedule shows each major task identified in our scope of work, as well as quality control milestones and meetings. Project schedule may be adjusted based upon the notice to proceed date. **Bucknam will comply with the City's 60 and 100 calendar project completion deadlines defined by fiscal year.**

| Task Name | 1-Dec | 7-Dec | 11-Dec | 15-Dec | 20-Dec | 27-Dec | 7-Jan | 17-Jan | 25-Jan | 5-Feb | 15-Feb |
|---|-------|-------|--------|--------|--------|--------|-------|--------|--------|-------|--------|
| BASE SCOPE OF WORK | | | | | | | | | | | |
| 1) Project Implementation | | | | | | | | | | | |
| Task 1.1 - Project Kickoff | X | | | | | | | | | | |
| Assess PMP data / Establish Survey | | | | | | | | | | | |
| Task 1.2 - Project Status Meetings - Quality Control | | | | | | | | | | | |
| Project Status Meetings | X | | | | X | | | X | | | |
| 2) Client Satisfaction | | | | | | | | | | | |
| Task 2.1 - Project Deliverables | | | | | | | | X | | X | X |
| 3) Scope of Work | | | | | | | | | | | |
| Task 3.1 - Update Maintenance and Rehabilitation Activities | | | | | | | | | | | |
| Assessment of PMP Database | | | | | | | | | | | |
| Task 3.2 - True Area PMP Segment Calculation | | | | | | | | | | | |
| Pavement Condition Surveys: | | | | | | | | | | | |
| 95.9 Miles (Arterial/Collector MPAH Network) | | | | | | | | | | | |
| PCI Reporting | | | | | | 30% | | 60% | | 100% | |
| Quality Control Checks | | | | | | | | | | | |
| Develop Recommended Improvement Program | | | | | | | | | | | |
| Task 3.3 - Maintenance and Rehabilitation Assessment / Priorities | | | | | | | | | | | |
| Update Maintenance & Rehab Activities | | | | | | | | | | | |
| Task 3.4 - Citywide CIP / OCTA Compliance Budget Reports | | | | | | | | | | | |
| City Review of Draft Final Report | | | | | | | | | | | |
| Project Status Meeting | | | | | X | | | X | | X | X |
| Delivery of Final CIP Report | | | | | | | | | | | |
| Task 3.5 - PMP - GIS Mapping | | | | | | | | | | | |
| Task 3.6 - Orange MyRoads® PMP Web-Portal | | | | | | | | | | | |
| Optional Services | | | | | | | | | | | |
| Task 3.7 - Citywide Sidewalk Management Services | | | | | | | | | | | |

With a completed survey, the Bucknam Infrastructure Group team will work with you to establish a PMP that provides specific, manageable pavement segments, detailed maintenance schedules of needed repairs and cost-conscious rehabilitation recommendations. This will assist your staff in preparing budget estimates required to complete the scheduled work for fiscal year 2025-26 and beyond.

Cost Proposal



Proposed Fee

Task Items 1 through 3 can be accomplished on a **time and materials, not-to-exceed basis** in accordance with the standard hourly rate schedule attached. Our anticipated fee is projected to be \$139,067 for the duration of the contract. We have included our fee schedule below for the City's consideration.

| Bucknam Infrastructure Group - Detailed Labor and Fee Breakdown City of Orange, CA 2025-2030 Pavement Management Program Consulting Services | | | | | | | | | | |
|--|-----------------------------|-----------------|--------------|-------------|------------------|------------------|-----------|---------------------------|---------------------|----------------------|
| PROPOSED FEE/PAYMENT COST PROPOSAL | | | | | | | | | | |
| Bucknam Infrastructure Group - PROJECT FEE BY TASK BY PERSONNEL | | | | | | | | | | |
| Task Description | Project Principal-In-Charge | Project Manager | Discipline 1 | | | | QA/QC | Clerical / Administrative | TOTAL HOURS Bucknam | TOTAL FEE Bucknam |
| | | | GIS Manager | GIS Analyst | Field Technician | Field Technician | | | | |
| Burdened Hourly Rate | \$ 331.00 | \$ 235.00 | \$ 175.00 | \$ 162.00 | \$ 115.00 | \$ 115.00 | \$ 115.00 | \$ 105.00 | | |
| FISCAL YEAR 2025-26: Pavement Management Program (PMP) Services | | | | | | | | | | |
| Task 1.1 Project Kickoff | | 1 | | | 1 | | | | 2 | \$ 350.00 |
| Task 1.2 Project Status Meetings / Quality Control Program | 1 | 4 | 2 | 2 | | | 14 | | 23 | \$ 3,555.00 |
| Task 2.1 Project Deliverables | 1 | 2 | 2 | 1 | 2 | | | 1 | 9 | \$ 1,648.00 |
| Task 3.1 Update Maintenance and Rehabilitation Activities | | 2 | 1 | | | 10 | | | 13 | \$ 1,795.00 |
| Task 3.2 Pavement Condition Surveys (approx. 95.9 miles) | | 2 | 2 | | 22 | 98 | | | 124 | \$ 14,620.00 |
| Roadway Verification Survey - Completed FY 2020 | | | | | 2 | 2 | | | 4 | \$ 690.00 |
| Task 3.3 Maintenance and Rehabilitation Assessment / Priorities | | 4 | | | | | | | 4 | \$ 940.00 |
| Task 3.4 Citywide CIP / OCTA Compliance Budget Reports | | 24 | 2 | | 2 | | | 1 | 29 | \$ 6,325.00 |
| Task 3.5 PMP - GIS Mapping | | 1 | 1 | | 4 | | | | 6 | \$ 870.00 |
| Task 3.6 Orange MyRoads® PMP Web-Portal | | | | | | | | | 0 | \$ 300.00 |
| Reimbursable (mileage, materials, equipment) | | | | | | | | | | \$ 1,350.00 |
| SUBTOTAL | 2 | 40 | 10 | 3 | 33 | 110 | 14 | 2 | 214 | \$ 32,443.00 |
| FISCAL YEAR 2027-28: PMP Services | | | | | | | | | | |
| Task 1.1 Project Kickoff | | 1 | | | 1 | | | | 2 | \$ 350.00 |
| Task 1.2 Project Status Meetings / Quality Control Program | 1 | 4 | 2 | 2 | | | 14 | | 23 | \$ 3,555.00 |
| Task 2.1 Project Deliverables | 1 | 2 | 2 | 1 | 2 | | | 1 | 9 | \$ 1,648.00 |
| Task 3.1 Update Maintenance and Rehabilitation Activities | | 2 | 1 | | | 10 | | | 13 | \$ 1,795.00 |
| Task 3.2 Pavement Condition Surveys (approx. 95.9 miles) | | 2 | 2 | | 22 | 98 | | | 124 | \$ 14,620.00 |
| Roadway Verification Survey | | | | | 2 | 2 | | | 4 | \$ 690.00 |
| Task 3.3 Maintenance and Rehabilitation Assessment / Priorities | | 4 | | | | | | | 4 | \$ 940.00 |
| Task 3.4 Citywide CIP / OCTA Compliance Budget Reports | | 24 | 2 | | 2 | | | 1 | 29 | \$ 6,325.00 |
| Task 3.5 PMP - GIS Mapping | | 1 | 1 | | 4 | | | | 6 | \$ 870.00 |
| Task 3.6 Orange MyRoads® PMP Web-Portal | | | | | | | | | 0 | \$ 300.00 |
| Reimbursable (mileage, materials, equipment) | | | | | | | | | | \$ 1,350.00 |
| SUBTOTAL | 2 | 40 | 10 | 3 | 33 | 110 | 14 | 2 | 214 | \$ 32,443.00 |
| FISCAL YEAR 2029-30: PMP Services | | | | | | | | | | |
| Task 1.1 Project Kickoff | | 2 | | | 1 | | | | 3 | \$ 585.00 |
| Task 1.2 Project Status Meetings / Quality Control Program | 1 | 4 | 2 | 2 | | | 36 | | 45 | \$ 6,085.00 |
| Task 2.1 Project Deliverables | 1 | 3 | 2 | 1 | 2 | | | 2 | 11 | \$ 1,988.00 |
| Task 3.1 Update Maintenance and Rehabilitation Activities | | 2 | 2 | | | 12 | | | 16 | \$ 2,200.00 |
| Task 3.2 Pavement Condition Surveys (approx. 330 miles) | | 4 | 3 | | 65 | 335 | | | 407 | \$ 47,465.00 |
| Roadway Verification Survey | | | | | 2 | 3 | | | 5 | \$ 690.00 |
| Task 3.3 Maintenance and Rehabilitation Assessment / Priorities | | 6 | | | | | | | 6 | \$ 1,410.00 |
| Task 3.4 Citywide CIP / OCTA Compliance Budget Reports | | 30 | 3 | | 3 | | | 1 | 37 | \$ 8,025.00 |
| Task 3.5 PMP - GIS Mapping | | 2 | 1 | 4 | 6 | | | | 13 | \$ 1,983.00 |
| Task 3.6 Orange MyRoads® PMP Web-Portal | | | | | | | | | 0 | \$ 300.00 |
| Reimbursable (mileage, materials, equipment) | | | | | | | | | | \$ 3,450.00 |
| SUBTOTAL | 2 | 53 | 13 | 7 | 79 | 350 | 36 | 3 | 543 | \$ 74,181.00 |
| TOTAL BASE FEE (without optional items) | | | | | | | | | | \$ 139,067.00 |
| OPTIONAL ITEMS | | | | | | | | | | |
| Task 3.7 Citywide Sidewalk Management Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ TBD |
| SUBTOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - |
| TOTAL LABOR | 6 | 133 | 33 | 13 | 145 | 570 | 64 | 7 | 971 | \$0 |
| TOTAL ESTIMATED FY 2025-2030 COSTS (Total includes Base & Optional cost items) | | | | | | | | | | \$139,067 |

Should the City desire to increase the service level above the hours outlined above for the Task items 1 through 3 or require other services not described herein, a fee adjustment would be negotiated and mutually agreed upon by both parties.

Cost Proposal



Standard Hourly Rate Schedule

| <u>Category</u> | <u>Rate</u> |
|---|--------------------|
| Principal | \$ 331 |
| Pavement Management Project Manager | 235 |
| Senior Project Manager | 225 |
| Management Analyst | 190 |
| Project Engineer / Planner | 180 |
| Sr. Engineer / GIS Manager / Sr. Inspector | 175 |
| Assistant Engineer / Sr. Technician / GIS Analyst | 162 |
| CADD Operator | 125 |
| Field / GIS Technician | 115 |
| Administrative Assistant | 105 |
| Clerical / Word Processing | 105 |
| <u>Reimbursables</u> | |
| Mileage | \$0.81/mile |
| Subconsultant Services | Cost + 15% |
| Reproduction | Cost + 15% |
| Travel & Subsistence | Cost + 15% |
| Fees & Permits | Cost + 15% |
| Computer Services (External) | Cost + 15% |

Rates Effective 7/1/25



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