

August 7, 2023

Mr. Carlos Norvani, LEED AP  
Capital Improvement Projects Engineer  
City of Lake Elsinore  
521 N. Langstaff Street  
Lake Elsinore, CA 92530

**Subject: Proposal for 2023-25 As-Needed Pavement Management Services**

Dear Carlos:

It is our pleasure to submit our proposal to assist the City of Lake Elsinore in the continued, proactive management of your Pavement Management Program (PMP). Per the City's request, we have included below our As-Needed PMP Services scope based on the previous Optional Services shown within Bucknam's 2022 PMP contract.

- As-Needed PMP Services; \$7,600; FY 2023-24 thru 2025-26
- Optional PMP Services; TBD

By selecting *Bucknam Infrastructure Group, Inc.*, the City of Lake Elsinore will continue to receive a strong, knowledgeable, innovative, and communicative team with the experience to implement a cost-effective pavement management program. Mr. Peter Bucknam will represent our firm for this project and can be contacted at 760-216-6529 (work) 714-501-1024 (cell) or email at [peter@bucknam-inc.com](mailto:peter@bucknam-inc.com).

In order to streamline project management and work schedules, all work efforts will be conducted through our office in Oceanside, CA.

Respectfully submitted,

***Bucknam Infrastructure Group, Inc.***



Peter J. Bucknam  
President/Project Manager



3548 Seagate Way, Suite 230  
Oceanside, CA 92056  
T: (760) 216-6529  
[www.bucknam-inc.com](http://www.bucknam-inc.com)

# Scope of Work



## ***TASK 1: As-Needed PMP Services***

### **Pavement Management Program Support**

With the City utilizing a triennial PMP management schedule Bucknam will provide annual PMP support that will cover PMP data previously submitted by our staff (FY 2023 thru 2025). If additional services outside the identified scope of work above are requested Bucknam will provide timely and proactive services to the City. Additional As-Needed services typically include:

- Additional budget scenarios, general reporting, deterioration studies;
- Additional ASTM D6433 visual inspections;
- Additional pavement management – GIS mapping;
- Additional work history updates within MicroPAVER, MyRoads® and GIS
  - Based on the pavement maintenance, rehabilitation and reconstruction activities that have been performed over the past four years through City staff (as well as contractual CIP projects) our staff will review all street activities. This data will be entered into MicroPAVER to enhance weighted PCI's and the recommendations for the upcoming budgetary analysis and CIP reporting.

The agreement will continue to include the provision of onsite, remote and telephone support for the City staff.

Bucknam will update the Lake Elsinore Pavement Management database by utilizing the Army Corps of Engineers "MicroPAVER" software. It is our understanding that the City wishes to utilize Bucknam's MicroPAVER license in order to perform requested data updates, inspections and reporting. Our staff will assess and qualify all pavement segments utilizing ASTM D6433 standards and will ensure that publicly maintained streets are within the database.

**Deliverable: Citywide Work History Report**

## ***Optional PMP Services***

### ***TASK 2 - AC/PCC AI True Area SF Calculation (Bucknam)***

With two (2) years between major inspections it will be essential to verify that all Arterial, Collector and Local segmentation is up-to-date and that section true area SF quantities are verified, accurate and reliable. This will be completed by utilizing Bucknam's cloud-based learning technology (AI) to correctly quantify square footages for each pavement section (see sample above).



# Scope of Work



Bucknam's use of cloud-based learning technology is initiated by providing the AI with the City of Lake Elsinore's most recent aerial image; in doing so, all AC and PCC pavement segment true areas are calculated. These calculations are possible due to the cloud-based learning tech's inherent and initial ability to recognize edge-of-pavement, surface types, medians, bus pads and AC/PCC surface limits.

This ability will allow Bucknam to obtain the necessary quality control measurements for defined Lake Elsinore PMP segments and to perform segment true area SF variance reports. **This will in turn create more accurate PCI's, engineering project cost estimations, total centerline / square footages of the Lake Elsinore network as well as for each unique pavement segments.**

We will review/assess new and/or missing streets previously excluded from the last PMP update and create the necessary segmentation within the Lake Elsinore PMP database + GIS links.

## Proposed Fee

Task Items 1 through 2 can be accomplished on a **time and materials, not-to-exceed** basis in accordance with the standard hourly rate schedule attached. Our anticipated fee including labor and reimbursable expenses is projected to be \$7,600 (\$18,670 with optional task included) for a three-year term (FY 2023-24 thru 2025-26).

	Description	Principal	Project Manager	GIS Manager	Field Technician(s)	Admin	Total by Task
	<b>Base Fee</b>	\$295/hr	\$200/hr	\$160/hr	\$104/hr	\$90/hr	
<b>Task 1</b>	<b>As-Needed PMP Services</b>		10	12	30		\$7,040
	Additional PMP budget scenarios, general reporting						
	Additional PMP ASTM inspections						
	Additional PMP - GIS Mapping						
	Additional work history updates (PAVER, MyRoads, GIS)						
	Reimbursables (printing, materials, mileage)						\$560
	All deliverables will become property of the City of Lake Elsinore						
	All Tasks are negotiable						
	Total Hours per Staff	0	10	12	30	0	
	<b>Total Base Fee</b>	\$ -	\$ 2,000	\$ 1,920	\$ 3,120	\$ -	<b>\$7,600</b>
	<b>Optional Tasks</b>						
<b>Task 2</b>	<b>AC/PCC AI True Area SF Calculation (Bucknam-220 mi.)</b>						<b>\$11,070</b>
Additional services outside of this contract will be negotiated with the City where we will use the Standard Hourly Rate Schedule							

Should the City desire to increase the service level above the hours outlined above for the Task items 1 through 2 or require other services not described herein, a fee adjustment would be negotiated and mutually agreed upon by both parties. We have included our fee schedule above for the City consideration. As indicated within our fee, all tasks are negotiable.

# Scope of Work



## Standard Hourly Rate Schedule

<b>Category</b>	<b>Rate</b>
Principal	\$ 295
Senior Project Manager	215
Pavement Management Project Manager	200
Management Analyst	170
Project Engineer / Planner	165
Sr. Engineer / GIS Manager / Sr. Inspector	160
Assistant Engineer / Sr. Technician / GIS Analyst / Inspector	150
CADD Operator	110
Field Technician	104
Administrative Assistant	100
Clerical / Word Processing	90
<u>Reimbursables</u>	
Mileage	\$0.75/mile
Subconsultant Services	Cost + 15%
Reproduction	Cost + 15%
Travel & Subsistence	Cost + 15%
Fees & Permits	Cost + 15%
Computer Services (External)	Cost + 15%

Rates Effective 7/1/23



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