

STAFF REPORT

Date: March 27, 2024

To: Mayor and City Council

Through: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement with Lumos & Associates for construction services for the 2024 Reno Preventative Maintenance Project in an amount not to exceed \$175,495. (Street Fund)

From: Hans Meyer, Senior Civil Engineer

Department: Public Works

Summary:

Construction Services that include field inspections and materials testing play a critical part in making sure the City, and in turn, the general public that uses the streets, can have confidence in the quality of its construction. This item is a consultant agreement with Lumos & Associates to provide such services including material testing and inspection for quality assurance construction monitoring to construct the 2024 Reno Preventative Maintenance Project which includes surface treatment on approximately 43 centerline miles of road primarily in the Northwest and North Valleys portions of Reno, patching on 142 streets, and overlay on approximately 1.0 centerline miles of road along with other miscellaneous associated work items. Construction is scheduled to begin this spring (April/May) and be completed by August 2024.

The funding needed for this consultant agreement is included in the City’s Capital Improvement Plan (CIP) and supports Council’s goal of improving the City’s infrastructure.

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?	X	
2. Is this item an agreement required based on an item previously approved by Council?		X
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	0.02%	

Alignment with Strategic Plan:

Infrastructure, Climate Change, and Environmental Sustainability - maintaining infrastructure conditions to improve transportation connectivity

Public Safety – maintaining transportation safety along roadways

Previous Council Action:

There is no recent Council action relevant to this item.

Background:

Currently, the City of Reno has approximately 754 centerline miles of paved streets in the street inventory. Approximately 32% of these streets are regional streets and are administered under the Regional Transportation Commission (RTC) Street and Highway Program. Fuel tax allocated to this program is used to fund the surface treatment and rehabilitation of these regional streets. The remaining 68% of the street inventory falls into the category of neighborhood streets that include residential, local collector, and industrial classifications. The City's Street Fund provides funding for the surface treatment and reconstruction of the neighborhood streets.

The Neighborhood Street Program, adopted by Council in 1997, manages street rehabilitation and preventative maintenance for the City's neighborhood streets. The program separates the streets into three areas: Northwest-Stead-Verdi, Northeast-Southeast, and Southwest. Every three years, inspectors perform a visual survey on all neighborhood streets and collect data about the type, severity, and quantity of pavement distresses. Technicians input this data into a computer program that calculates a pavement condition index (PCI). The index ranges from 100 for pavements in excellent condition to zero for failing pavement.

The slurry seal is a preventative maintenance measure that reduces the rate at which the pavement deteriorates and also renews the surface. Asphalt milling and overlays is a rehabilitation method that removes a portion of the deteriorated asphalt and replaces the removed asphalt pavement with new pavement at a fraction of the cost of full reconstruction. This is a relatively low-cost measure to maximize the dollars invested in the Street Program Strategic Plan (SPSP). The use of pavement rehabilitation and slurry seals has been instrumental in maintaining or even raising the average PCI. Each year a new area is selected, rotating in a clockwise rotation, e.g. 2024 Northwest-Stead-Verdi, 2025 Northeast-Southeast, and 2026 Southwest.

Discussion:

Nevada law prohibits the competitive bidding of engineering, architectural, or land surveyor services; therefore, the City of Reno, Public Works Department has established a selection process based on competence and qualifications. Lumos & Associates was selected from the City's pre-qualified list of consultants from the 2024 list.

City staff prepared the plans and specifications for the 2024 Reno Preventative Maintenance Project. Staff will now focus their efforts on the construction of this project and preliminary designs for the next preventative maintenance project scheduled for 2025. The consequences of not approving this agreement today will result in the City not providing continuous quality control for the designed improvements.

Financial Implications:

This project was approved in the fiscal year (FY) 23/24 CIP, and funding will come from the Street Fund.

Legal Implications:

The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

Recommendation:

Staff recommends Council approval of the consultant agreement with Lumos and Associates for testing and inspection services for the 2024 Reno Preventative Maintenance Project, in an amount not to exceed \$175,495, and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

2024 Reno Preventative Maintenance Consultant Agreement.