

STAFF REPORT

Date: March 22, 2023

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement with Lumos & Associates for construction services for the 2023 Reno Preventative Maintenance Project in an amount not to exceed \$161,735. (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 2023 Reno Preventative Maintenance Project which includes surface treatment on approximately 31 centerline miles of road primarily in the Southwest portions of Reno, patching on 347 streets, and overlay on approximately 1.5 centerline miles of road along with other miscellaneous associated work items. Construction is scheduled to begin this spring (April/May) and completed by August 2023. Also on this agenda is the award of Contract to Sierra Nevada Construction for the construction of this project. Staff recommends the approval of the Consultant Agreement with Lumos & Associates for the construction services for the 2023 Reno Preventative Maintenance Project.

Alignment with Strategic Plan:

- Infrastructure, Climate Change, and Environmental Sustainability – maintaining infrastructure condition 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 763 centerline miles of paved streets in the street

inventory. Approximately 30 percent of these streets are regional streets, and are administered under 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 70 percent of the street inventory fall 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.

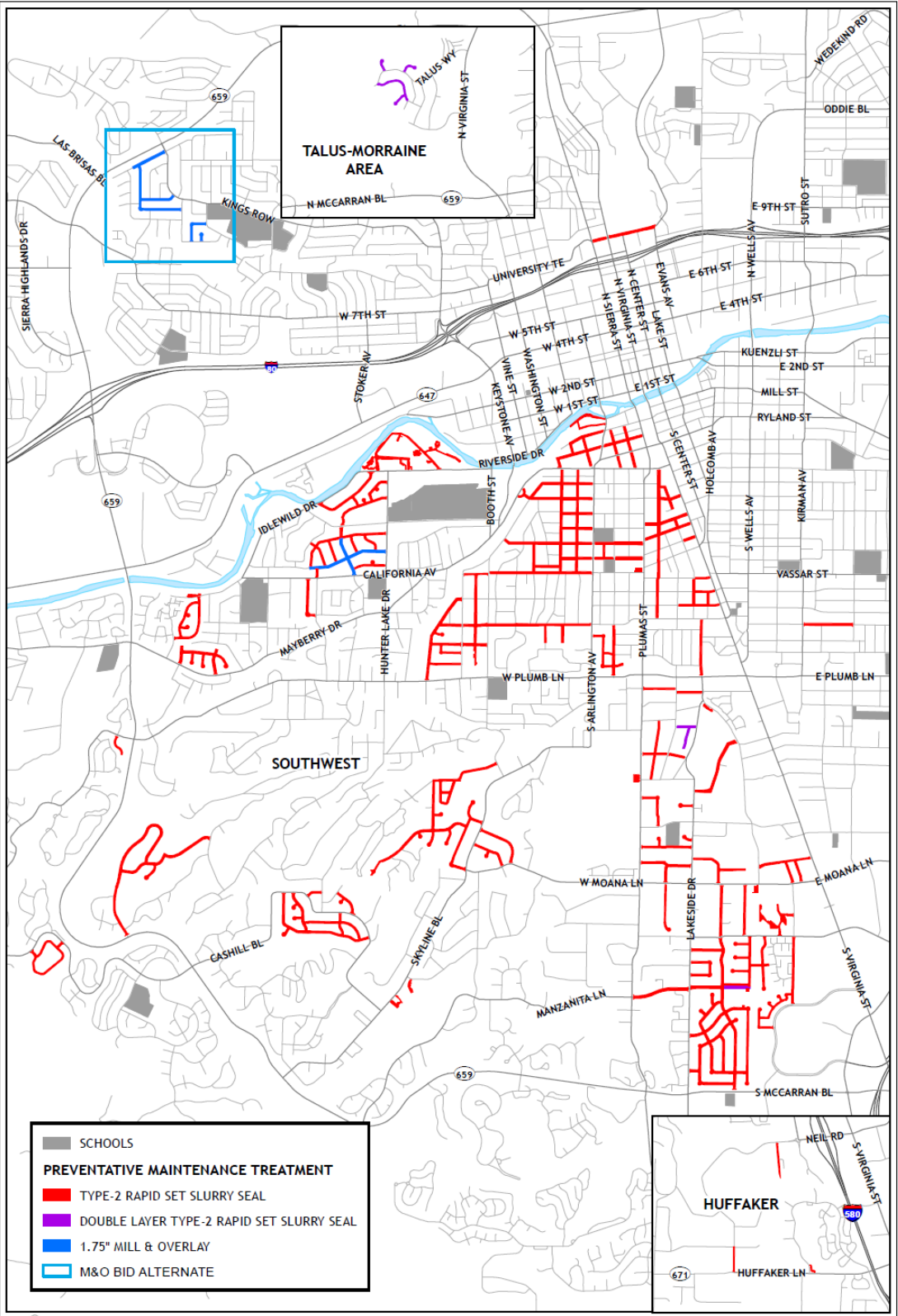
The Neighborhood Street Program, adopted by Council in 1997, manages street rehabilitation and preventative maintenance for the City's neighborhood streets. The program separates the streets into three areas; Northwest-Stead-Verdi, Northeast-Southeast, and Southwest. Every three years, inspectors perform 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. This is a relatively low cost measure to maximize the dollars invested in the 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., 2023 Southwest, 2024 Northwest-Stead-Verdi, and 2025 Northeast-Southeast.

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 2022 list.

City staff prepared the plans and specifications for the 2023 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 2024. The consequences of not approving this agreement today will result in the City not providing continuous quality control for the designed improvements. The exhibit below shows the street included in this project.



2023 PREVENTATIVE MAINTENANCE PROJECT

PROJECT: 2023 PREVENTATIVE MAINTENANCE PROJECT; DRAWING: 2023 PREVENTATIVE MAINTENANCE PROJECT; DATE: 11/17/2023

Financial Implications:

Funding for this Agreement will be from the Street Fund identified in the City of Reno Capital Improvement Program FY 22/23.

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 2023 Reno Preventative Maintenance Project, in an amount not to exceed \$161,735 and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments: