



CITY OF FERNLEY

CITY COUNCIL AGENDA REPORT

Meeting Date: August 18, 2021

REPORT TO: Mayor and City Council
REPORT THRU: Daphne Hooper, City Manager
REPORT FROM: Jessica Dover, Senior Project Manager
REVIEWED BY: Brandi Jensen, City Attorney
REVIEWED BY: Denise Lewis, City Treasurer

FINANCIAL IMPACT:

Yes: No:

CURRENTLY BUDGETED:

Yes: No:

FUND/ACCOUNT:

100-475-430, 100-475-420

ACTION REQUESTED: Consent Ordinance Resolution Motion Receive/File

AGENDA ITEM: Staff Report (For Possible Action): Possible Action to Award a Contract for Engineering Services for the FY 21/22 PMP Maintenance Project, to Lumos and Associates, Inc., in an amount not to exceed \$175,635.

Agenda Item Brief:

This project will complete appropriate maintenance treatments for streets that have been selected by Staff using key parameters of the City of Fernley Pavement Management Program, Resolution #2015-008, adopted September 16, 2015.

Recommended Motion:

"I move to Award a Contract for Engineering Services for the FY 21/22 PMP Maintenance Project, to Lumos and Associates, Inc., in an amount not to exceed \$175,635."

Business Impact (per NRS Chapter 237):

- A Business Impact Statement is Attached.
- A Business Impact Statement is not required because this is not a rule (term excludes vehicles by which legislative powers are exercised under NRS Chapters 271, 278, 278A, or 278B).

See attached report for background, analysis, alternatives.

ALTERNATIVES:

1. City Council may award the proposed Contract for Engineering Services to Lumos and Associates, Inc.
2. City Council may reject the proposed Contract and provide additional direction to the City Manager

PROJECT SUMMARY:

Overview

The proposed Contract with Lumos and Associates, Inc. (Lumos) includes Engineering Design and Construction Management Services to complete the City of Fernley's (City's) FY 21/22 PMP Maintenance Project (Project).

This project will complete appropriate maintenance treatments for streets that have been selected by Staff using key parameters of the City of Fernley Pavement Management Program, Resolution #2015-008, adopted September 16, 2015.

The FY 21/22 PMP Maintenance Project will consider application of appropriate maintenance treatments for: Cottonwood LN (approximate limits east of Hardie LN to west of Bardot WY and 600' east of Rosewood DR to 63' west of SR 828), and streets within: Skyridge EST 1, Sierra Vista Unit 5, Silverland EST and Donner Trails EST subdivisions. Reconstruction of Hardie LN was completed in 2019; the three (3) year slurry application is scheduled for completion during FY 21/22. Many of the streets within the proposed FY 20/21 Project area have not been previously slurred.

In an effort to save on Project costs (such as costs associated with mob/demob), funds typically allocated to the Streets and Storm Drains Department (SSD) for the annual striping contract were included in the FY 19/20 and FY 20/21 PMP Maintenance Project budget. Funding for striping/signage, and associated Scope of Services to complete the work, is included in the FY 21/22 Project.

Wide crack monitoring and maintenance within the City's Industrial Area will continue through FY 21/22. FY 2019 and FY 2020 slurry test sections will continue to be monitored.

The following additional Services are being proposed by Lumos, per Staff's request, for the FY 21/22 Scope of Services:

- Task 1C - Pavement Management and Inventory Updates
 - o Currently, the City's StreetSaver database is updated with completed M&R treatments, construction of new roadway and rehabilitation and/or reconstruction of existing pavement sections every (3) years as part of the City's PMP Assessment, Analysis and Final Report Project. The PMP Assessment Project occurs every (3) years as stipulated per the City's Pavement Management Program (PMP); Resolution #2015-008. Incorporating updates to the database as an annual task will allow Staff to provide and have access to the most current Street Network PCI data for recently constructed and maintained roadways, without waiting for the next evaluation cycle to be completed
 - o Evaluation of modified and newly constructed pedestrian access ramp conditions will be included in this Task
 - o Lumos will provide updated maps on an annual basis as directed by City to reflect M&R treatments, new construction and rehab/reconstructs completed during the current fiscal year
 - o This Task will allow Lumos to assist the City in updating the NDOT Centerline Mileage Shapefile; required per NRS 365.550 Section 8 (a)(b) to be submitted to NDOT no later than

March 01, annually. Lumos has been assisting with GIS requirements to complete this work for the last (2) fiscal years

- Time is included in this Task to update the StreetSaver Target Driven Scenario, developed during FY 21, to assist City in updating the 5-Year Planning Horizon for Projects included in the 5-Year CIP, as part of the City's annual budget process
- Public Outreach
 - Minimal time has been added to assist the City with developing content for the Project page, City of Fernley website

The proposed Scope of Work (Attachment A to the City of Fernley Standard Contract for Engineering Services, Lumos and Associates, Inc., Attachment No. 1, below), includes but is not limited to: an investigation of existing conditions, engineering and design of appropriate maintenance treatment and striping quantities, specifications for associated repair/maintenance items, construction administration, inspection during construction, and materials testing services.

This Project is tentatively scheduled to bid Spring 2022.

Lumos and Associates, Inc.

Lumos and Associates, Inc. was selected from the City's 2018-2020 Qualified Professionals List: *Street Rehabilitation and Reconstruction, Land Surveying, Construction Inspection and Materials Testing Service Categories.*

Lumos has assisted many agencies in Northern Nevada with Engineering Design and Construction Management Services for similar pavement maintenance projects. Lumos will be preparing plans, specifications and estimates for the Project, and will provide Construction Management (CM) Services during Construction. Lumos will be signing the City's Standard Contract in order to complete the work.

BACKGROUND:

The Pavement Management Program (PMP), was adopted by City Council on September 16, 2015 through Resolution #2015-008. The PMP provides direction to Staff regarding effective planning of pavement preservation projects, with the intent to maximize the lifespan of the City's Street Network in an efficient and consistent manner, while ensuring applicable Stakeholders understand the project selection process.

The annual slurry project associated with the City's PMP applies to street sections within the Network that have been identified as candidates to receive preventative maintenance treatments. Six (6) preventative maintenance treatment projects have been completed since project implementation in 2016, with an approved budget allocation of \$500,000 for the first (4) years, \$750,000 during FY 2020 and \$830,000 during FY 2021. Over this 6-Year period, it is estimated that the City has completed preventative maintenance treatments on approximately over 40% of the City's total paved Network.

During FY 20/21, Staff coordinated with Lumos to establish a StreetSaver Budget Scenario inclusive of all Pavement Management Program Work proposed as part of the FY 21/22 5-Year Capital Improvement Plan. Proposed projects were ran as an iterative process between the City and Lumos to establish: (1) confirmation that selected projects would obtain and maintain the Minimum Average Network PCI as required per Resolution #2015-008 and (2) updated costs associated with planning-level estimates for projects proposed as part of the FY 21-22, 5-Year CIP, will be accurately reflected in the proposed budget, with work evenly distributed among the 5-Year Program of Projects.

LEGAL IMPLICATIONS:

FINANCIAL IMPLICATIONS:

Project appropriations are included in the approved FY 2022 Budget as part of the Capital Improvement Plan:

- \$1,300,000 (100-475-430), PMP Project, Cottonwood LN, Skyridge EST 1, Hardie LN, Sierra Vista Unit 5, Silverland EST, Donner Trails EST (Page 167, 218, A-27)

AND as part of the Streets and Storm Drains Department O&M Expenses:

- \$25,000 (100-475-420), Contract Sweeping, Striping, Storm Drain Maintenance (Page 167)

Proposed Contract for Engineering Services, Lumos and Associates, Inc.

The following Tasks have been included in the proposed Scope of Work (Attachment A to the City of Fernley Standard Contract for Engineering Services, Lumos and Associates, Inc.) as OPTIONAL:

- Task 3, Contingency

If it is necessary to perform work to be paid from these tasks, Lumos will prepare and submit a written request detailing the need, scope and not-to-exceed budget for any proposed work. Work under these tasks shall proceed only with the City Project Manager’s prior written approval.

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| Total Design and Bidding Services: (Tasks 1A-1C) | \$71,160 |
| Total Construction Services: (Task 2A-2C) | \$89,475 |
| <u>Total OPTIONAL Engineering Services: (Tasks 3)</u> | <u>\$15,000</u> |
| Total (Including OPTIONAL Services): | \$175,635 |

ATTACHMENTS:

- 1.) City of Fernley Standard Contract for Engineering Services, Lumos and Associates, Inc.