



# CITY OF FERNLEY

## CITY COUNCIL AGENDA REPORT

Meeting Date: March 18, 2020

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

<b>FINANCIAL IMPACT:</b> Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	<b>CURRENTLY BUDGETED:</b> Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	<b>FUND/ACCOUNT:</b> 100-475-430, 100-475-420, 100-475-342
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**ACTION REQUESTED:**  Consent    Ordinance    Resolution    Motion    Receive/File

**AGENDA ITEM: Staff Report (For Possible Action): Possible Action to Award a Contract for Construction for the FY 19/20 PMP Maintenance Project, to Sierra Nevada Construction, Inc. (SNC), in an amount not to exceed \$684,007, plus a 5% contingency of \$34,200.**

**Agenda Item Brief:**  
The proposed major work items include, but are not limited to: Rapid setting slurry seal, asphalt pavement patching, crack sealing on local roads, Portland cement concrete improvements, drainage infrastructure improvements, pavement markings, traffic control, and public relations activities.

**Recommended Motion:**  
“I move to Award a Contract for Construction for the FY 19/20 PMP Maintenance Project, to Sierra Nevada Construction, Inc. (SNC), in an amount not to exceed \$684,007, plus a 5% contingency of \$34,200.”

**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 Contract for Construction Services
2. City Council may reject the proposed Contract and provide additional direction to the City Manager

## **PROJECT SUMMARY:**

The proposed major work items include, but are not limited to: Rapid setting slurry seal, asphalt pavement patching, crack sealing on local roads, Portland cement concrete improvements, drainage infrastructure improvements, pavement markings, traffic control, and public relations activities.

The Project was advertised in the Reno Gazette Journal, the Mason Valley News and the City of Fernley website on February 05, 2020. Staff opened bids on February 26, 2020. The list of bidders and total bid prices for the Project are included below in Lumos' Recommendation of Award, referenced below as Attachment No. 2.

After reviewing the bids and conferring with the City's Project consultants, Lumos and Associates, Inc., Staff recommends awarding the Contract to Sierra Nevada Construction, Inc.

The proposed Contract for Construction will complete preventative maintenance treatments for local streets within the Truckee River Ranch Phase 1, Truckee River Ranch Phase 2 and Country Ranch 2 subdivisions, as well as Red Rock RD, (Minor Collector), within the Country Ranch 2 subdivision. Streets within the Project area have not been previously slurried. The proposed Contract for Construction also includes construction of a slurry seal test section on a portion of West Newlands DR, East Newlands DR, Stanley DR and Lyon DR. Streets included in the FY 19/20 Project area are shown per Attachment No. 3, Sheet Index and Vicinity Map, (Sheet C1.1).

The FY 19/20 PMP Contract for Construction will also include the following improvements and repairs:

- Drainage improvements at the intersection of Clearwater PKWY and SR 828
- Crack seal of the City's FY 15/16 PMP Project area, depicted per Attachment No. 4, Sheet Index and Vicinity Map Base Bid and Option 1, (Sheet T2 and T3)

Lumos and Associates, Inc. has assisted many agencies in northern Nevada with Design and Construction Management Services for Pavement Maintenance. They prepared plans, specifications and estimates for the FY 19/20 Annual Pavement Maintenance Project, and will be providing applicable Construction Management Services including inspection and materials testing.

## **BACKGROUND:**

### PMP Maintenance Project

The intent of the City's annual PMP Maintenance Project is to 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 by City Council September 16, 2015. The Pavement Management Program (PMP) provides Staff with direction necessary to evaluate and prioritize pavement preservation projects, while providing clarification to stakeholders regarding the project selection process.

The annual slurry project associated with the City's Pavement Management Program was implemented in spring 2016. To date, four annual slurry projects have been completed since the Program's inception in FY 15/16. This has allowed the City to complete preventative maintenance treatments on approximately 30% of the City's total paved Street Network.

### Annual Crack Repair, Monitoring and Maintenance Project

Within the industrial park on the northeast side of Fernley, streets such as East Newlands DR, Nevada Pacific PKWY and Stanley DR have extensive transverse and longitudinal shrinkage cracks, that range in width up to approximately twelve inches. In general, cracks within this area exceeding a width of two inches are repaired through the City's Annual Crack Repair, Monitoring and Maintenance Project, (previously, the East Newlands DR Crack Repair, Monitoring and Maintenance Project).

The only permanent solution to the severe cracking exhibited in this AC behavior, is to fully remove the existing AC surfaces and reconstruct the roadways (from curb to curb). This is a costly proposition for the City, with previous cost estimates ranging between \$5 to \$10M. In an effort to improve ride quality and safety for motorists, the City has chosen to manage the wide cracks as part of the yearly pavement maintenance program, until sufficient funding is available to replace problem pavements. Since crack widths continue to expand, additional maintenance (and associated costs) will be required on an annual basis to address settlement of previous crack repairs and to repair previously unaddressed cracks that have grown to a minimum width exceeding two inches.

The City has completed wide crack repairs for the AC cracks prevalent in East Newlands DR, Nevada Pacific PKWY, and other areas of the City, during the last four fiscal years. The FY 14/15 Project completed repairs on 10,276 linear feet (LF), (just under two (2) miles), of cracks in the City's Industrial area, including: East Newlands DR, NV Pacific PKWY and Stanley DR. The FY 15/16 Project was expanded to include crack repairs on residential streets exhibiting similar wide crack distresses. 5,177 LF, (just under one (1) mile), of crack repairs in the City's Industrial area and a portion of the Golf Course area were completed in FY 15/16. The FY 16/17 Project completed approximately 7,027 LF of wide crack repairs in the Upland Ranch Estates and Country Ranch Estates area. The FY 18/19 Project included completion of a slurry seal test section on East Newlands DR, from Stanley DR to approximately 1,200 feet east of Stanley DR. Crack repair was conducted on an additional 1,000 foot test section without surface seal, from the east end of the slurry section to Lyon DR.

For the FY 19/20 Annual Crack Repair Project, Staff is proposing continuing the slurry seal section on East Newlands DR. A portion of West Newlands DR, Lyon DR, and Stanley DR will receive crack repair and surface seal as well. Slurry will be installed over repairs completed in previous fiscal years, with the addition of an HMA cap prior to installation of the slurry. Performance of the test section(s) will be monitored, and will provide Staff with an indication of the potential effectiveness of applying a slurry to other streets that have been included in wide crack repairs during previous years.

**LEGAL IMPLICATIONS:**

**FINANCIAL IMPLICATIONS:**

Project appropriations are included in the approved FY 2020 Budget as part of the Capital Improvement Plan:

- \$750,000 (100-475-430), PMP Project, Silverland Estates, Sage Valley/Ranch, Red Rock, Desert Lakes (Page 131, 182)
- \$90,000 (100-475-430), Annual Crack Repair, Monitoring and Maintenance – Newlands DR Phase 2 (Page 131, 182)

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 131)
- \$25,000 (100-475-342), Contract services for retention basins citywide (Page 131)

**FY 19/20 PMP Maintenance Project, Proposed Contracts:**

- 1.) City of Fernley Standard Agreement for Construction Services, **SNC** (Attachment No. 1)

Total Base Bid: \$684,007

Total: **\$684,007**

Staff is requesting that FCC approve an additional **5% contingency** in the amount of **\$34,200**. If it is necessary to perform work to be paid from the proposed contingency amount, a written request from the Contractor detailing the need, scope and not-to-exceed budget for any proposed work will be submitted following the process stipulated in the Project Contract Documents. Work shall proceed only with the City Project Manager's prior written approval.

FY 19/20 PMP Maintenance Project, Existing Contracts:

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

This Contract, effective September 18, 2019, includes Engineering Design and Construction Management Services, in an amount not to exceed \$107,835. The following Tasks have been included in the Scope of Services (Attachment A to the City of Fernley Standard Contract for Engineering Services, Lumos):

Total Design and Bidding Services: (Task 1 and Task 3A)	\$43,270
Total Construction Services: (Task 2, Task 3B)	\$53,975
Total <u>OPTIONAL</u> Engineering Services: (Task 4 and Task 5)	\$10,590
<b>Total (Including OPTIONAL Services):</b>	<b>\$107,835</b>

2.) City of Fernley Standard Contract for Engineering Services, **NCE**

This Contract, effective September 18, 2019, includes Engineering Design and Construction Services, in an amount not to exceed \$17,135. The following Tasks have been included in the Scope of Services (Attachment A to the City of Fernley Standard Contract for Engineering Services, NCE):

Total Design and Bidding Services: (Task 1, Task 2 and a portion of Task 5)	\$6,125
Total Construction Services: (Task 3, Task 4 and a portion of Task 5)	\$11,010
Total <u>OPTIONAL</u> Engineering Services: (N/A)	\$0.00
<b>Total (Including OPTIONAL Services):</b>	<b>\$17,135</b>

FY 19/20 PMP Maintenance Project, Proposed Total:

SNC Standard Agreement for Construction Services:	\$684,007
Proposed 5% Contingency	\$34,200
Lumos Standard Contract for Engineering Services	\$107,835
<u>NCE Standard Contract for Engineering Services</u>	<u>\$17,135</u>
<b>Total (Including OPTIONAL Services):</b>	<b>\$843,177</b>

**ATTACHMENTS:**

- 1.) Agreement Between Owner and Contractor for Construction Contract (SP), A&K
- 2.) Recommendation of Award Letter, Lumos and Associates, Inc.
- 3.) FY 19/20 PMP Maintenance Project Area, Sheet Index and Vicinity Map, (Sheet C1.1)
- 4.) FY 15/16 PMP Maintenance Project Area, Sheet Index and Vicinity Map Base Bid and Option 1, (Sheet T2 and T3)