



CITY OF FERNLEY

CITY COUNCIL AGENDA REPORT

Meeting Date: November 17, 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: <input checked="" type="checkbox"/> No: <input type="checkbox"/> | CURRENTLY BUDGETED: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> | FUND/ACCOUNT: 100-475-745, 510-166-100 |
|---|---|--|

ACTION REQUESTED: Consent Ordinance Resolution Motion Receive/File

AGENDA ITEM: Staff Report (For Possible Action): Possible Action to Award two (2) Contracts for Engineering Services for the Red Rock RD Extension Project to: Lumos and Associates, Inc., in an amount not to exceed \$229,600 and to Kimley-Horn and Associates, Inc., in an amount not to exceed \$12,915.

Agenda Item Brief:
The Scope of Services generally includes: Engineering Design Services required to extend the paved portion, and existing (E) waterline within Red Rock RD, north to connect with US 50A. Right-of-Way (RoW) and Utility impacts to the Project will be considered; Staff anticipates RoW Services to commence during FY 21/22 concurrently with design efforts. NDOT coordination and permitting will be required for this Project. The proposed Scope of Work, excludes Construction Services and Professional Right-of-Way Services; proposals for these Services will be brought to City Council under a separate Scope at a future date.

Recommended Motion:
“I move to Award two (2) Contracts for Engineering Services for the Red Rock RD Extension Project to: Lumos and Associates, Inc., in an amount not to exceed \$229,600 and to Kimley-Horn and Associates, Inc., in an amount not to exceed \$12,915.”

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 Contracts for Engineering Services
2. City Council may reject the proposed Contracts and provide additional direction to the City Manager

PROJECT SUMMARY:

Overview

The proposed Contract with Lumos and Associates, Inc. (Lumos) includes Engineering Design Services to complete the Red Rock RD Extension Project (Project). The proposed Contract with Kimley-Horn and Associates, Inc. (Kimley-Horn) includes Traffic Analysis Engineering Services to support design of the roadway extension.

The unimproved roadway section of Red Rock RD from approximately 250' northeast of Colt CT to US 50A is shown as a 60' proposed access easement per the Country Ranch II Subdivision Record drawings. As part of a capacity improvement project along US 50A, NDOT constructed an access drive at the intersection of US 50A and the future improved section of Red Rock RD. Left and right turn lanes were installed by NDOT to accommodate anticipated future traffic to the area upon potential development of the remaining parcels north of Country Ranch II. Consequently, motorists frequently use the access installed by NDOT as a means of ingress/egress through the undeveloped lots, utilizing the existing 60' access easement as a North-South cut through to reach SR 828 and areas to the south of the City.

North Lyon County Fire Protection District, Fire Station 62, is located near the intersection of Farm District RD and Red Rock RD. This results in frequent and substantial traffic loading to both improved and unimproved roadway segments when used as a cut through, particularly for emergent ingress/egress.

The proposed FY 21/22 Project will include Engineering Design Services to extend Red Rock RD north to connect with US 50A. Drainage issues will need to be addressed as part of the Project to prevent future deterioration of the roadway. An 8" water main is located within the paved section of the Red Rock RD Right-of-Way; there is a stub-out just past existing end of pavement. As part of this Project, the existing waterline will need to be extended to US 50A, with stub-out and cap for future connections prior to paving. Staff anticipates Right-of-Way impacts to the Project and is proposing Right-of-Way Services commence during FY 21/22 concurrently with design efforts. Utility impacts to the Project will be considered. NDOT and NDEP coordination, permitting and approvals will be required for this Project.

This Project is tentatively scheduled to bid FY 22/23, pending final Right-of-Way Acquisitions, Utility Relocation Agreements, NDOT coordination, NDEP coordination and other permitting requirements as applicable.

Lumos and Associates, Inc.

Lumos and Associates, Inc. was selected from the City's 2018-2020 Qualified Professionals List: *Street Rehabilitation and Reconstruction, Geotechnical Engineering, Land Surveying, Hydrology and Hydraulics, Sanitary Sewer Condition Assessment, Sanitary Sewer Design and Master Planning, Water Facility Design and Master Planning, Storm Water Design and Master Planning, 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 Projects. Lumos will be preparing plans, specifications and estimates and will provide bidding services for the Project. Lumos will be signing the City's Standard Contract in order to complete the work.

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), excludes Engineering During Construction (EDC) Services; a proposal for these services will be brought to City Council under a separate Scope at a future date.

If required, a proposed Contract for Professional Right-of-Way Services will be brought to City Council under a separate Scope at a future date.

Kimley-Horn and Associates, Inc.

Kimley-Horn and Associates, Inc. was selected from the City's 2018-2020 Qualified Professionals List: *Traffic Engineering Service Category*.

Section 3.5.3.2 and Table 12 of the City's Transportation Master Plan (TMP), completed by Kimley-Horn during FY 19/20, recommends the City evaluate and potentially implement various surface improvements, including extending Red Rock RD north to connect with US 50A (Page 39 and 60).

The proposed Scope of Work (Attachment A to the City of Fernley Standard Contract for Engineering Services, Kimley-Horn and Associates, Inc., Attachment No. 2, below), includes: Data Collection, AADT Review, Capacity Analysis and Geometric and Safety Evaluation of the US 50A/Red Rock RD intersection and SR 828/Red Rock RD intersection. Kimley-Horn will be preparing a Traffic Analysis Technical Memorandum, which will be incorporated by others into the final Pavement Design Report.

Kimley-Horn will be signing the City's Standard Contract in order to complete the work.

BACKGROUND:

The City of Fernley's Transportation Master Plan (TMP), adopted by Fernley City Council July 01, 2020 through Resolution #20-014, was prepared to reflect the City's growth, changing trends in transportation and the surrounding area, and the corresponding existing and future transportation needs in Fernley. The plan considers various aspects of the City's transportation network including roadways, parking, transit, bicycle, and pedestrian facilities.

TMP Section 3.5.3.2 and Table 12, recommends the City evaluate and potentially implement various surface improvements, including extending Red Rock RD north to connect with US 50A (Page 39 and 60).

Red Rock RD, starting at SR 828 (Farm District RD) and terminating approximately 250' northeast of Colt CT, was constructed as part of the Country Ranch II Subdivision; Record drawings dated January 2004, Subdivision Map recorded April 2004. The paved section of Red Rock RD falls within Condition Category I per the City's Pavement Management Program Condition Categories; considered to be in "Very Good" condition. This pavement section, along with all other streets completed as part of Country Ranch II Subdivision (Alotta Lead CT, Colt CT, Deadeye Kid CT, Hannah Calder CT and Quick Cal WY), were included in the City's FY 19/20 PMP Maintenance Project. This area received a Type 2 Micro Surface Preventative Maintenance treatment.

The unimproved roadway section of Red Rock RD from approximately 250' northeast of Colt CT to US 50A is shown as a 60' proposed access easement per the Country Ranch II Subdivision Record drawings. As part of a capacity improvement project along US 50A, NDOT constructed an access drive at the intersection of US 50A and the future improved section of Red Rock RD. Left and right turn lanes were installed by NDOT to accommodate anticipated future traffic to the area upon potential development of the remaining parcels north of Country Ranch II. Consequently, motorists frequently use the access installed by NDOT as a means of ingress/egress through the undeveloped lots, utilizing the existing 60' access easement as a North-South cut through to reach SR 828 and areas to the south of the City.

North Lyon County Fire Protection District, Fire Station 62, is located near the intersection of Farm District RD and Red Rock RD. This results in frequent and substantial traffic loading to both improved and unimproved roadway segments when used as a cut through, particularly for emergent ingress/egress.

The proposed FY 21/22 Project will include Engineering Design Services to extend Red Rock RD north to connect with US 50A. Drainage issues will need to be addressed as part of the Project to prevent future

deterioration of the roadway. An 8" water main is located within the paved section of the Red Rock RD Right-of-Way; there is a stub-out just past existing end of pavement. As part of this Project, the existing waterline will need to be extended to US 50A, with stub-out and cap for future connections prior to paving. Staff anticipates Right-of-Way impacts to the Project and is proposing Right-of-Way Services commence during FY 21/22 concurrently with design efforts. Utility impacts to the Project will be considered. NDOT coordination and permitting will be required for this Project.

100% Plans, Specifications and Engineer's Estimate for the Project are anticipated to be complete Spring 2022, pending final Right-of-Way Acquisitions, Utility Relocation Agreements, NDOT coordination and other permitting requirements as applicable. The Project is tentatively scheduled to bid Summer 2022, with Construction to follow during FY 22/23.

LEGAL IMPLICATIONS:

Policy Reference

Nevada Statutes:

- NRS 625.050 Practice of Professional Engineering
- NRS 625.530 Section 3 Restrictions upon Public Works
- NRS 332.115.b

Other:

- City of Fernley Transportation Master Plan (TMP), Resolution #20-014

FINANCIAL IMPLICATIONS:

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

- \$220,000 (100-475-745), Red Rock RD Extension Project (Page 169, 218, A-17)
- \$10,000 (510-166-100), Red Rock RD Waterline Extension Project (Page 222, A-54)

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 5C, Utility Pothole Exploration
- Task 6C, Permeability/Infiltration Testing
- Task 13, Right-of-Way Verification, Easement Preparation and Dedication
- Task 14, Public Outreach
- Task 15, Reimbursables
- Task 16, 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.

| | |
|--|------------------|
| Total Design and Bidding Services: (Tasks 1-4, 5A/5B, 6A/6B, 7-12) | \$181,100 |
| Total <u>OPTIONAL</u> Engineering Services: (Tasks 5C, 6C 13-16) | \$48,500 |
| Total (Including <u>OPTIONAL</u> Services): | \$229,600 |

Proposed Contract for Engineering Services, Kimley-Horn and Associates, Inc.

| | |
|--|-----------------|
| Total Engineering Services: (Tasks 1-6) | \$12,915 |
| Total OPTIONAL Engineering Services: (N/A) | \$0 |
| Total (Including OPTIONAL Services): | \$12,915 |

Proposed Contract(s) for Engineering Services, Total

| | |
|---|------------------|
| Lumos: ENGR Design, Contract and Bidding Services | \$229,600 |
| Kimley-Horn: ENGR Services (Traffic Analysis) | \$12,915 |
| Total (Including OPTIONAL Services): | \$242,515 |

The total amount proposed for the (2) Contracts exceeds the total General Fund and Water Enterprise Fund amounts approved for the FY 2022 Project. Additional funding for the Project will come out of the City's RTC fund balance, (GL: 100-475-745), should an overage occur.

ATTACHMENTS:

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