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October 17, 2018

LA18.546

Jessica Dover, Associate Engineer
City of Fernley-Public Works Department
595 Silver Lace Boulevard
Fernley, NV 89408

RE: Proposal for Construction Management and Inspection/Materials Testing Services for the City of Fernley Cottonwood Lane and Ricci Lane Pipe Bridge Rehabilitation Project

Lumos & Associates, Inc. is looking forward to working with the City of Fernley to provide construction management and inspection/materials testing services on the City of Fernley Cottonwood Lane and Ricci Lane Pipe Bridge Rehabilitation Project. Please review the attached Scope of Services and Fees, which are summarized below:

| | |
|--|-----------------|
| <u>Task 1: Construction Management</u> | \$12,610 |
| <u>Task 2: Construction Services (Inspection and Materials Testing)</u> | \$14,710 |
| Total: | \$27,320 |

Please feel free to contact either myself or Steve Moon should you have any questions.

Sincerely,

Brian Harer
Project Manager, Construction Division

Steven G. Moon, PE
Director, Construction Division

Cc: Derek Starkey, P.E., City Engineer
City of Fernley-Public Works Department

Attachments:
Exhibit A – Scope of Services
Exhibit B – Labor Detail

**SCOPE OF SERVICES
EXHIBIT A**

SCOPE OF SERVICES

This will generally consist of the following tasks:

TASK 1: CONSTRUCTION MANAGEMENT

Construction Oversight & Administration

Provide contract administration services as follows:

- Attend the bid opening
- Attend the preconstruction conference and conduct progress meetings throughout the project duration
- Perform construction coordination
- Review and provide recommendations on contractor's traffic control plans
- Review and provide recommendations on test results
- Review and provide recommendations on contractor's construction schedule and work progress
- Review construction for acceptance and/or mitigation
- Provide verification and approval of contractor's monthly pay request
- Supervise the inspection and material testing activities
- Provide recommendations to the City of Fernley for any necessary construction changes due to field conditions
- Assist in change order review and approval
- Provide final test results and field reports in an electronic .pdf on diskette.

(Note: It is anticipated that the Design Engineer will provide review and approval of contractor submittals)

TASK 2: CONSTRUCTION SERVICES

Construction Inspection

Provide Inspector(s) that have the appropriate certification(s) required by the Nevada Alliance for Quality Transportation Construction (NAQTC) and International Code Council (ICC). Provide periodic inspection services during construction which shall include the following critical items:

- Surface Preparation & Painting
- Soil Compaction & Grading
- Bolt & Metal Surface Cleaning / Painting
- High Strength Grout & Epoxy Mortar Repairs
- Site Re-Grading, Fencing Installation, Rip Rap Placement
- Removal & Replacement of Insulation
- Verification of Punch-List Completion

**SCOPE OF SERVICES
EXHIBIT A**

The inspectors assigned to this project will:

- Attend the preconstruction conference
- Monitor the work performed by the Contractor and verify that the work is in accordance with the plans and specifications
- Assist in problem resolution with the City of Fernley, contractor personnel, utility agencies, the public and others
- Prepare daily inspection reports, submitted weekly to the city of Fernley and CC'd to the appropriate government jurisdiction(s).
- Provide quantity reports and assist in review of contractor's monthly progress payments
- Provide verification of the distribution of public relation notices required to be delivered by the contractor
- Assist in preparation of the Punch List

Materials Testing

Provide Material Testing for compliance with the specifications per the Standard Specifications for Public Works Construction, latest addendum of the 1996 Edition (Orange Book) testing requirements.

The following tests and frequencies shall be performed:

- Provide two (2) Moisture Density Curves on the native material

**COST OF SERVICES
 EXHIBIT B**

Task 1 Construction Management

1A: Construction Oversight

| Personnel | Rate | Hours | Amount |
|--------------------------------|-----------|-------|---------------------|
| Project Manager | \$ 170.00 | 48.00 | \$ 8,160.00 |
| Construction Services Engineer | \$ 155.00 | 12.00 | \$ 1,860.00 |
| | | | \$ 10,020.00 |

1B: Administration

| Personnel | Rate | Hours | Amount |
|--------------------------------|-----------|-------|--------------------|
| Director | \$ 225.00 | 2.00 | \$ 450.00 |
| Construction Services Engineer | \$ 155.00 | 8.00 | \$ 1,240.00 |
| Administrator | \$ 75.00 | 12.00 | \$ 900.00 |
| | | | \$ 2,590.00 |

Task 1 - Construction Management Total: \$ 12,610.00

Task 2 Construction Services

2A: Inspection - Surface Preparation & Painting (4 Trips / 6 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 24.00 | \$ 2,760.00 |
| | | | \$ 2,760.00 |

2B: Inspection - Soil Compaction & Grading (4 Trips / 6 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 24.00 | \$ 2,760.00 |
| | | | \$ 2,760.00 |

2C: Inspection - Bolt & Metal Surface Cleaning/Painting (4 Trips / 4 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 16.00 | \$ 1,840.00 |
| | | | \$ 1,840.00 |

2D: Inspection - High Strength Grout & Epoxy Mortar Repairs (4 Trips / 4 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 16.00 | \$ 1,840.00 |
| | | | \$ 1,840.00 |

2E: Inspection - Re-Grading/Fencing/Rip Rap/Clean-Up (6 Trips / 4 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 24.00 | \$ 2,760.00 |
| | | | \$ 2,760.00 |

2F: Inspection - Removal & Replacement of Insulation (4 Trips / 4 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|--------------------|
| Senior Inspector | \$ 115.00 | 16.00 | \$ 1,840.00 |
| | | | \$ 1,840.00 |

2G: Inspection - Project Punch List (1 Trip / 4 Hrs per Trip)

| Personnel | Rate | Hours | Amount |
|------------------|-----------|-------|------------------|
| Senior Inspector | \$ 115.00 | 4.00 | \$ 460.00 |
| | | | \$ 460.00 |

2H: Materials Testing

| Test | Rate | # of Tests | Amount |
|------------------------|-----------|------------|------------------|
| Moisture Density Curve | \$ 225.00 | 2.00 | \$ 450.00 |
| | | | \$ 450.00 |

Task 2 - Construction Services Total: \$ 14,710.00

Grand Total

| | |
|--------------------------|---------------------|
| Construction Management: | \$ 12,610.00 |
| Construction Services: | \$ 14,710.00 |
| Project Total: | \$ 27,320.00 |