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January 10, 2025

LA25.039

Via email: dbluhm@lyoncsd.org

Darrell Bluhm
Lyon County School District
25 East Goldfield Ave.
Yerington, NV 89447

Subject: Proposal for Professional Services - Lyon County School District Sites (Dayton, Fernley, & Yerington High Schools) LA25.039 – Construction Staking & Materials Testing

Dear Darrell:

Lumos and Associates, Inc. is pleased to provide you with this proposal for construction-related services for proposed site improvements at the Lyon County School District Sites (Dayton, Fernley, & Yerington High Schools), as proposed on the Construction Documents prepared by Lumos & Associates under contract #11443.000. Tasks under this proposal will be billed on a time and materials (T&M) basis to account for the various alternates included in the project.

We propose the following scope of services to assist with this project:

Task 1 – Construction Staking

Task 1.A Fernley High School

A. Control Verification Survey - Conduct an initial survey to locate and densify existing control referencing the project basis of bearings and benchmark as shown on the project plans.

B. Demolition Limits - Provide 1 set of horizontal only paint marks or stakes around the demolition limits or excavation areas.

C. Rough Grade - Provide 1 set of stakes for rough grade including the corners of building pads, major parking areas and driveway, detention basins. A cut/fill to finish grade will be marked on each stake.

D. Utilities - Provide 1 set of stakes at an offset requested by the contractor to following proposed utility improvements.

1. Water Lines – set at ends, angle points, fire hydrants, and valves.

2. Sanitary Sewer – 2 offset stakes to each cleanout with cuts marked to invert elevations per the plan sheets

3. Storm Drain – offset stakes to each detention basin with cuts provided to invert elevations per the plan sheets

E. Building Corners – Provide 1 set of final building offset stakes to building corners of the concession stand and two restrooms referenced on the plan sheets.

F. Final Grade - Provide 1 set of offset stakes to edge of pavement, top back of curb, or concrete on 50' intervals in tangents and 25' intervals in curves including all horizontal and vertical points of curvature, points of tangent and angle points. Cuts or fills will be marked on all stakes to the finished surface grade as shown on the plan sheets.

A maximum of **5 field visits** to the site for the proposed tasks budgeted for this proposal. Proposed fees include Lyon County prevailing wage rates paid to all field crew members for time on site. **Exclusions** - The following services are specifically excluded from this proposal: "Red Top" and "Blue Top" staking for subgrades and final surface grades, irrigation, landscape, striping, signs, gas line, and electric line staking, post construction as built. The lump sum fee for services listed above does not include time to attend meetings.

Task 1.B Yerington High School

A. Control Verification Survey - Conduct an initial survey to locate and densify existing control referencing the project basis of bearings and benchmark as shown on the project plans.

B. Demolition Limits - Provide 1 set of horizontal only paint marks or stakes around the demolition limits or excavation areas.

C. Rough Grade - Provide 1 set of stakes for rough grade for the limits of gravel/paving areas. A cut/fill to finish grade will be marked on each stake.

F. Final Grade - Provide 1 set of offset stakes to edge of pavement, top back of curb, or concrete on 50' intervals in tangents and 25' intervals in curves including all horizontal and vertical points of curvature, points of tangent and angle points. Stakes will also be provided for trash cans and bollard locations. Cuts or fills will be marked on all stakes to the finished surface grade as shown on the plan and profile sheets.

A maximum of **3 field visits** to the site for the proposed tasks budgeted for this proposal. Proposed fees include Lyon County prevailing wage rates paid to all field crew members for time on site. **Exclusions** - The following services are specifically excluded from this proposal: "Red Top" and "Blue Top" staking for subgrades and final surface grades, irrigation, landscape, striping, signs, gas line, and electric line staking, post construction as built. The lump sum fee for services listed above does not include time to attend meetings.

Task 1.C Dayton High School

A. Control Verification Survey - Conduct an initial survey to locate and densify existing control referencing the project basis of bearings and benchmark as shown on the project plans.

B. Demolition Limits - Provide 1 set of horizontal only paint marks or stakes around the demolition limits or excavation areas.

C. Rough Grade - Provide 1 set of stakes for rough grade including the corners of major parking areas and driveway, detention basins. A cut/fill to finish grade will be marked on each stake.

F. Final Grade - Provide 1 set of offset stakes to edge of pavement, top back of curb, or concrete on 50' intervals in tangents and 25' intervals in curves including all horizontal and vertical points of curvature, points of tangent and angle points. Cuts or fills will be marked on all stakes to the finished surface grade as shown on the plan and profile sheets.

A maximum of **2 field visits** to the site for the proposed tasks budgeted for this proposal. Proposed fees include Lyon County prevailing wage rates paid to all field crew members for time on site. **Exclusions** - The following services are specifically excluded from this proposal: "Red Top" and "Blue Top" staking for subgrades and final surface grades, irrigation, landscape, striping, signs, gas line, and electric line staking, post construction as built. The lump sum fee for services listed above does not include time to attend meetings.

Work outside the established SCOPE OF WORK can be performed on a time and materials basis in accordance with the most current fee schedule. The attached Standard Conditions of Agreement are a part of this proposal. This proposal is valid for 90 working days from this date.

Task 2 –Materials Testing

Task 2.A Fernley High School

We anticipate sixteen (16) site visits to perform compaction tests on subgrade and aggregate base.

$$16 \text{ site visits} \times 2.5 \text{ hrs/visit} \times \$130/\text{hr} = \$5,200$$

We also anticipate six (6) site visits will be required to perform the sampling of exterior concrete.

$$6 \text{ site visits} \times 3.0 \text{ hrs/visit} \times \$130/\text{hr} = \$2,340$$

We also anticipate one (1) site visit will be required to perform the thin lift testing and one (1) visits to complete the coring of the site asphalt concrete.

$$1 \text{ site visit} \times 9.0 \text{ hrs/visit (thin lift testing)} \times \$130/\text{hr} = \$1,170$$

$$1 \text{ site visit} \times 5.0 \text{ hrs/visit (coring)} \times \$130/\text{hr} = \$650$$

We will also provide the following lab testing on asphalt, concrete, and soils.

$$1 \text{ Material Quality Tests (Sieve, Plasticity Index, R-Value)} @ \$425 \text{ each} = \$425$$

$$1 \text{ Modified Proctor} @ \$275 \text{ each} = \$275$$

$$2 \text{ Asphalt Concrete Series} @ \$1,000 \text{ each} = \$2,000$$

$$32 \text{ Concrete Compression Tests} @ \$40 \text{ each} = \$1,280$$

We will also provide a technician to pick up and deliver samples for testing.

$$9 \text{ visits} \times 1.5 \text{ hr/visit} \times \$130/\text{hr} = \$1,755$$

At the conclusion of this task, Lumos & Associates, Inc. will prepare a final inspection and testing package for submittal to the Owners Representative. The submittal will be reviewed and stamped by a Professional Engineer.

We will provide Administration Services (i.e. Technical Typist, Construction Services Engineer, and Construction Services Supervisor) at an estimated cost of 15% of the fees associated with the above inspection and testing scope.

Task 2.B Yerington High School

We anticipate seven (7) site visits to perform compaction tests on subgrade and aggregate base.

$$7 \text{ site visits} \times 2.5 \text{ hrs/visit} \times \$130/\text{hr} = \$2,275$$

We also anticipate three (3) site visits will be required to perform the sampling of exterior concrete.

$$3 \text{ site visits} \times 3.0 \text{ hrs/visit} \times \$130/\text{hr} = \$1,170$$

We also anticipate one (1) site visit will be required to perform the thin lift testing and one (1) visits to complete the coring of the site asphalt concrete.

$$1 \text{ site visit} \times 9.0 \text{ hrs/visit (thin lift testing)} \times \$130/\text{hr} = \$1,170$$
$$1 \text{ site visit} \times 5.0 \text{ hrs/visit (coring)} \times \$130/\text{hr} = \$650$$

We will also provide the following lab testing on asphalt, concrete, and soils.

$$1 \text{ Material Quality Tests (Sieve, Plasticity Index, R-Value)} @ \$425 \text{ each} = \$425$$
$$1 \text{ Modified Proctor} @ \$275 \text{ each} = \$275$$
$$1 \text{ Asphalt Concrete Series} @ \$1,000 \text{ each} = \$1,000$$
$$13 \text{ Concrete Compression Tests} @ \$40 \text{ each} = \$520$$

We will also provide a technician to pick up and deliver samples for testing.

$$4 \text{ visits} \times 1.5 \text{ hr/visit} \times \$130/\text{hr} = \$780$$

At the conclusion of this task, Lumos & Associates, Inc. will prepare a final inspection and testing package for submittal to the Owners Representative. The submittal will be reviewed and stamped by a Professional Engineer.

We will provide Administration Services (i.e. Technical Typist, Construction Services Engineer, and Construction Services Supervisor) at an estimated cost of 15% of the fees associated with the above inspection and testing scope.

Task 2.C Dayton High School

We anticipate two (2) site visits to perform compaction tests on subgrade and aggregate base.

$$2 \text{ site visits} \times 2.5 \text{ hrs/visit} \times \$130/\text{hr} = \$650$$

We also anticipate one (1) site visit will be required to perform the sampling of exterior concrete.

$$1 \text{ site visit} \times 3.0 \text{ hrs/visit} \times \$130/\text{hr} = \$390$$

We will also provide the following lab testing on asphalt, concrete, and soils.

$$\begin{aligned} &1 \text{ Material Quality Tests (Sieve, Plasticity Index, R-Value)} @ \$425 \text{ each} = \$425 \\ &1 \text{ Modified Proctor} @ \$275 \text{ each} = \$275 \\ &5 \text{ Concrete Compression Tests} @ \$40 \text{ each} = \$200 \end{aligned}$$

We will also provide a technician to pick up and deliver samples for testing.

$$2 \text{ visits} \times 1.5 \text{ hr/visit} \times \$130/\text{hr} = \$390$$

At the conclusion of this task, Lumos & Associates, Inc. will prepare a final inspection and testing package for submittal to the Owners Representative. The submittal will be reviewed and stamped by a Professional Engineer.

We will provide Administration Services (i.e. Technical Typist, Construction Services Engineer, and Construction Services Supervisor) at an estimated cost of 15% of the fees associated with the above inspection and testing scope.

Lumos & Associates, Inc. can provide additional materials testing and inspection if requested, on a time and materials basis per our current fee schedule. Retesting, re-inspection, standby, and show up will not be considered as part of our budget. If the fees associated with these items become excessive and contributes to a shortfall in our budget, we will request augmentation to our budget. Prevailing wages have not been assumed for our inspectors/technicians while on site. If prevailing wages are required, the above costs will be adjusted accordingly.

We request all scheduling be done prior to 3:00 p.m., the day prior to the required tests.

Fees

The tasks described in the Scope of Work will be completed for the following fees:

Task	Description	Fee
1A	Fernley High School Construction Staking	\$8,100
1B	Yerington High School Construction Staking	\$22,700
1C	Dayton High School Construction Staking	\$13,300
2A	Fernley High School Materials Testing	\$19,077
2B	Yerington High School Materials Testing	\$7,338
2C	Dayton High School Materials Testing	\$2,935
Total		\$73,450

Each of the tasks above will be billed on a time and materials (T&M) basis, not to exceed the amount listed without prior Owner approval. Fee limits for each task assume that all proposed alternates on the civil improvement plans under Lumos project #11443.000 will be completed. If any alternates from those plans are not selected, we anticipate less of the budget to be used. However, the level of effort, and amount billed to each task, will be dependent on contactor efficiencies and the number of site visits required.

All terms and provisions of the attached Standard Agreement apply to the proposed scope. If this proposal is acceptable, please execute the attached Agreement form and return the same to our office. Any additional services requested but not covered by this Scope of Work can be provided by an amendment to this proposal.

Lumos and Associates, Inc. will send monthly progress billings on this project. The amount of these billings will be based upon the percentage of work completed. The terms are 'Due Upon Receipt' and accounts are past due after 30 days. Accounts over 30 days old will be subject to interest at the rate of 1 ½% per month and such collection action as may be necessary to collect the account. In addition, a "Stop Work Order" may be issued on past due accounts. In this case, no further work will be performed until the account is brought current.

Thank you again for allowing Lumos and Associates to provide you with this proposal. Please do not hesitate to call me if you have questions.

Sincerely,



Justin Sand, P.E.
Group Manager - Engineering