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Request for Services

Department: Water Treatment

Location: South Raw Water Reservoir #2

Supplier: Engineering Analytics Inc.

Services: To provide an Observation Plan, Final Inspection and SEO Reports, Breach Inspection, Toe Drain Inspection, and Spillway Inspection.

Purpose: State Engineers Office requires inspections for design conformance with the Colorado State requirements of Rules 9 and 10 for dam safety and dam construction.

Time Frame: Present to Project Completion

Cost: \$114,597.78



November 1, 2017

Mike Patterson
City of Florence
600 West 3rd Street
Florence, CO 81226

Project No. 315005

Subject: Construction Oversight and Project Management
Florence Reservoir South No. 2

Mr. Patterson

1.0 INTRODUCTION

Engineering Analytics, Inc. (EA) is presenting the following proposal for Construction Oversight and Project Management for the Florence South Reservoir No. 2 project.

2.0 SCOPE OF WORK

The scope of work for the additional work is as follows:

Observation Plan & Pre-Construction

EA will attend preconstruction meetings and prepare a construction observation plan in compliance with the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

Final Inspection & SEO Reports

EA will prepare weekly construction reports and communicate with the SEO on the construction activities. EA will conduct a final inspection of the dam along with the SEO and prepare a final construction report that documents construction activities following substantial completion. The reports and inspections will be in compliance with the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

Breach Inspection

EA will provide field inspection of the dam breach and backfill operations. The inspections include observations of the dam foundation and outlet subgrade. The field inspections will be in compliance with ASTM standards and meet the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

Toe Drain Inspection

EA will provide field inspection of the toe drain and backfill operations. The field observation will be in compliance with ASTM standards and meet the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

Spillway Inspection

EA will provide field inspection of the Spillway construction operations. The inspections include observations of the foundation and conformance with the design. The field inspections will be in compliance with ASTM standards and meet the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

Project Management

EA will provide construction inspections by the Engineer of Record for conformance with the design. The conformance inspections will be in compliance with the Colorado State requirements of Rules 9 (construction of jurisdictional size dams) and 10 (acceptance of construction of jurisdictional size dams) for dam safety and dam construction.

EA has attached at table that shows the estimated proposed hours for this proposal. The costs shown are not fixed-price costs, but are estimated costs based on the anticipated work described in this scope of work. The actual costs and expenses incurred will be billed according to the EA hourly rates. Costs associated with out-of-scope tasks will be billed according to the EA hourly rates applicable at the time of service.

Respectfully Submitted,
Engineering Analytics, Inc.



L. Clint Brown, P.E.
Vice President/Project Dam and Reservoir Engineer

Attachment

