

Request for Services

Department: Water Treatment

Location: South Raw Water Reservoir #2

Supplier: CD Engineering Inc.

Services: To provide structural construction administration and quality assurance for the reservoir gate tower, access bridge, and bridge abutment.

Purpose: The tower, bridge and abutment must comply with the requirements of the State Engineer's Office and governing codes.

Time Frame: Present to Project Completion

Cost: \$46,025.00

November 1, 2017

City of Florence, Colorado
Attn: Mike Patterson, City Manager
600 West 3rd Street
Florence, Colorado 81226

RE: Florence South Reservoir Improvements Phase II Structural Construction Phase Services Proposal

Mr. Patterson:

CD Engineering is pleased to provide this proposal for structural construction phase services for the Florence South Reservoir Improvements Phase II.

Description:

CD Engineering will provide structural construction administration and quality assurance for the Florence South Reservoir gate tower, access bridge, and bridge abutment to comply with the requirements of the State Engineer's Office and governing codes. All work will be conducted by or under the direct supervision of a Colorado Registered Professional Engineer.

Scope:

1. Coordinate with the project team including Owner, Contractor, Civil Engineer, Geotechnical Engineer and State Engineer's Office.
2. Conduct structural construction administration and quality assurance necessary to comply with the requirements of the State Engineer's Office and governing codes.
3. Review submittals for compliance with the approved plans and specifications.
4. Review structural materials testing for compliance with the approved plans and specifications.
5. Respond to Contractor requests for information related to the structural design and construction documents.
6. Conduct site construction observation including special structural inspections for the gate tower, gate tower access bridge, and abutment.
7. Provide as-built structural drawings.

Work Not Included:

1. Structural materials testing.

Schedule:

CD Engineering will coordinate with the Owner and Contractor to establish a mutually acceptable schedule that facilitates timely construction. The current schedule is for construction to be started in October, 2017 and to be completed by March 2018.

Fee:

The proposed fee for structural construction administration is outlined below. All items will be billed on an hourly plus expenses basis in accordance with the attached current hourly rates.

Florence Gate Tower Structural Construction Administration Proposal									
Tasks		Staff			Reimbursables			Total	
Task	Description	Rate (\$/hr)	Structural Engineer	Labor Subtotal	Rate (\$/EA)	Mileage	Per Diem	Reimb Subtotal	Total
			\$ 130			\$ 0.75	\$ 150.00		
1	Structural Construction Administration		120	\$ 15,600		1050	3	\$ 1,238	\$ 16,838
	a. Preconstruction Coordination		4	\$ 520					\$ 520
	b. Project Coordination - RFIs, Administration		40	\$ 5,200					\$ 5,200
	c. On-Site Kickoff Meeting		12	\$ 1,560		350	1	\$ 413	\$ 1,973
	d. Progress Meetings (6 meetings - 2 on site)		32	\$ 4,160		700	2	\$ 825	\$ 4,985
	e. State Engineer Reporting		24	\$ 3,120					\$ 3,120
	f. Project Closeout		8	\$ 1,040					\$ 1,040
2	Submittal Review		64	\$ 8,320					\$ 8,320
	a. Concrete		8	\$ 1,040					\$ 1,040
	b. Reinforcement		16	\$ 2,080					\$ 2,080
	c. Prefabricated Bridge		24	\$ 3,120					\$ 3,120
	d. Miscellaneous Metals		16	\$ 2,080					\$ 2,080
3	Construction Observation		128	\$ 16,640		2450	9	\$ 3,188	\$ 19,828
	a. Gate Tower Piers		20	\$ 2,600		350	2	\$ 563	\$ 3,163
	b. Gate Tower Walls		40	\$ 5,200		700	2	\$ 825	\$ 6,025
	c. Gate Tower Access Bridge Abutment		32	\$ 4,160		700	2	\$ 825	\$ 4,985
	d. Gate Tower Access Bridge		12	\$ 1,560		350	1	\$ 413	\$ 1,973
	e. Other		24	\$ 3,120		350	2	\$ 563	\$ 3,683
4	Post Construction		8	\$ 1,040					\$ 1,040
	a. As-Built Drawings		8	\$ 1,040					\$ 1,040
Tasks 1 through 4 Total		Hours	320	\$ 41,600.00	Miles	3500		\$ 4,425.00	\$ 46,025
					Per Diem		12		

Additional Services:

Additional services beyond those set forth above may be requested and will be billed at current hourly rates as shown on the enclosed rate schedule and subject to annual adjustment. Such services shall be agreed to in writing in advance of additional work being conducted.

Standard Contract Terms and Conditions:

The proposed work is to be conducted in accordance with the attached Agreement for Professional Services.

CD Engineering, Inc. is committed to integrity, service, and excellence. We look forward to working with you on this project. Please call me if you have any questions regarding this proposal.

Sincerely,



David W. Marsh, P.E.
President
CD Engineering, Inc.

enc.

cc: Brandon Harris, City of Florence, Water Superintendent
Richard Saxton, P.E., Project Manager

**CD ENGINEERING
2017 HOURLY RATE SCHEDULE**

<u>Position</u>	<u>Hourly Rate</u>
Principal	\$130.00
Structural Engineer	\$130.00
Senior Engineer	\$115.00
Engineer	\$105.00
Engineer Intern	\$ 90.00
CADD Operator II	\$ 85.00
CADD Operator I	\$ 75.00
Administrative Assistant	\$ 50.00
Mileage	\$0.75/mi.