



January 28, 2016

City of Fort Collins
Operations Services Department
300 Laporte Ave.
P.O. Box 580
Fort Collins, Colorado 80522-0580

Attention: Mr. Chad Mapp

Subject: Fee Estimate for Construction Observation
and Materials Testing Services
Wood Street Vehicle Storage – Water Services
701 Wood Street
Fort Collins, Colorado
Fee Estimate No. FC 16-0017

At your request, CTL|Thompson, Inc. is pleased to provide this revised fee estimate for Construction Observation and Materials Testing services for the Wood Street Vehicle Storage – Water Services project located at 701 Wood Street in Fort Collins, Colorado.

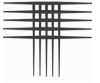
We understand that the city will use our estimate for the basis of establishing a budget for the project and to issue a purchase order for our services. Our estimated scope of services and associated fees were prepared according to the terms and conditions of our professional services agreement with the City of Fort Collins and are presented below.

Earthwork: Compaction testing will be required for slab subgrade, footing subgrade, asphalt subgrade, exterior concrete subgrade, and wall backfill. We estimate a total of 10 site visits will be necessary..

Engineering Technician	10 days x 2 hrs/day x \$60/hr	\$1,200.00
Proctor	2 tests x \$80/ea	\$160.00
Atterberg Limits	2 tests x \$60/ea	\$120.00
Gradation	2 tests x \$70/ea	<u>\$140.00</u>
	Subtotal:	\$1,620.00

Reinforcing Steel Observation: Observation of the reinforcement in the footings, slab, foundation walls, and exterior concrete may be required. We estimate 6 site visits will be necessary.

Engineering Technician	6 days x 2 hrs/day x \$50/hr	<u>\$600.00</u>
	Subtotal:	\$600.00



Concrete Testing: Concrete testing will be required for the footings, slab, foundation walls, curb, trickle channel, and exterior concrete. We estimate 8 concrete tests consisting of 4 cylinders each will be necessary.

Concrete Cylinders	8 tests x \$160/test	<u>\$1,280.00</u>
	Subtotal:	\$1,280.00

Masonry Special Inspection: Masonry inspection and sampling will be necessary for the walls. We estimate a total of 5 site visits, and 1 set of grout, mortar, and prism samples will be necessary.

Engineering Technician	5 days x 3 hrs/day x \$60/hr	\$900.00
Prisms	1 set x 3 prisms/set x \$80/prism	\$240.00
Grout Cores	1 set x 4 cores/set x \$40/core	\$160.00
Mortar Cubes	1 set x \$125/set	<u>\$125.00</u>
	Subtotal:	\$1,425.00

Structural Steel Weld/Bolt Inspection: Inspection of the bolted connections may be required. We estimate 4 site visits would be necessary.

Engineering Technician	4 days x 3 hrs/day x \$60/hr	<u>\$720.00</u>
	Subtotal:	\$720.00

TOTAL ESTIMATED FEE: \$5,645.00

It should be emphasized that this estimate is based upon assumptions of actual quantities and contractor's schedule. The fee will be charged only for the actual hours and unit rates presented for tests and observations requested by the owner, contractor or subcontractors who schedule the services.

If we can be of further assistance, please contact us at your convenience.

Very truly yours,
CTL | THOMPSON, INC.

Heather Grubb
Field Department Manager