



City of Ketchum  
City Hall

July 6, 2020

Mayor Bradshaw and City Councilors  
City of Ketchum  
Ketchum, ID 83340

Mayor Bradshaw and City Councilors:

**Recommendation to approve Purchase Order 20488  
For Material Testing and Inspection**

**Recommendation and Summary**

Staff is recommending the council approve Purchase Order 20488 with Atlas Materials Testing & Inspection for material testing and inspection for the new fire station and adopt the following motion:

**"I move to approve Purchase Order 20488 for an amount not to exceed \$29,223 with Atlas Materials Testing & Inspection and authorize the Mayor to sign the PO."**

The reasons for the recommendation are as follows:

- The City of Ketchum has awarded a construction contract for the new fire station and will require independent testing and inspection services to verify compliance with contractual requirements.
- The City of Ketchum does not have the required skills and equipment to perform the testing in-house.

**Introduction and History**

The City of Ketchum voters approved construction of a fire station on November 5, 2019. The Ketchum City Council approved award of a construction contract to CORE | HW LLC on June 26, 2020. The construction plans and specifications require certain independent testing and inspection of certain portions of the work including earthwork, concrete, steel, and other critical elements. As the City does not possess the required skills and testing equipment, it is necessary to contract for such services.

**Analysis**

The City of Ketchum engaged in a procurement pursuant to both Idaho Code and City policy for such testing and inspection services. Atlas Materials Testing & Inspection submitted a proposal to perform the services for \$29,223. The proposal was the lowest responsive one received and is recommended for award.

**Sustainability Impact**

There is no sustainability impact from this action.

**Financial Impact**

The project is being funded by a voter-approved \$11.5 million bond sale and an allowance for testing was and inspection included within that budget.

**Attachments**

- Attachment A: Purchase Order 20488
- Attachment B: Atlas Quote



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## Purchase Order

Number: 20488  
Date: 7/6/2020

Vendor: Atlas Materials Testing & Inspection  
1141 ½ Airport Way Unit F  
Hailey, ID 83333

Quantity	Item # / SKU	Description	Total Cost
1		Soils Testing & Inspection	\$4,226.00
1		Concrete Testing & Inspection	\$8,780.00
1		Masonry Testing & Inspection	\$6,180.00
1		Steel Testing & Inspection	\$6,630.00
1		Miscellaneous Items	\$3,407.00
<b>Total</b>			<b>\$29,223.00</b>

The City of Ketchum is a tax-exempt political subdivision of the State of Idaho.

Please confirm this City of Ketchum Purchase Order with Grant Gager, Director Finance & Internal Services, at [ggager@ketchumidaho.org](mailto:ggager@ketchumidaho.org) or (208) 726-3841.

Work Address is:

City of Ketchum  
Attn: Grant Gager  
107 Saddle Road  
Ketchum, ID 83340

Order Submitted By:

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Mayor Neil Bradshaw

**GRANT GAGER**  
**CITY OF KETCHUM**  
**PO Box 2315**  
**Ketchum, ID 83340**

PHONE: (208) 726-7803  
FAX: (208) 726-7812  
E-MAIL: ggager@ketchumidaho.org

Re: Testing and Inspection Services for the  
Proposed Project: **City of Ketchum, Fire Station 1 CMT**

The enclosed cost proposal has been prepared for your review and evaluation. Materials Testing & Inspection, LLC (MTI) appreciates the opportunity to submit this estimate to provide materials testing and inspection services on the above referenced project.

The estimate is based on our review of plans, specifications, similar projects, and 2015 IBC requirements. Due to a construction schedule not being available at the time of this estimate being prepared, the estimate is based on a presumed construction schedule. If the construction schedule does not follow MTI's estimated production rates and schedule, the quantities and number of trips required will vary. Please review the number of trips and quantities to insure that each item follows your construction schedule/production rates. Variances from our estimate and your schedule/production rates will be billed at the indicated unit rates. The result may be a decrease or increase in the total testing and inspection costs. Scope of services for the project has been outlined below:

**16,750 SF Masonry and Steel Framed Structure and Associated Site Work** - The Scope of Services includes; 1) soils testing and inspection, 2) concrete testing and inspection, 3) epoxy bolt/dowel inspection, 4) masonry testing and inspection, 5) structural steel welding and bolting inspection, 6) spray-applied fireproofing testing and inspection, and 7) asphalt testing and inspection. The scope may be adjusted based on the actual special inspection requirements. Costs will be dependent on the actual number of trips/time for testing and inspections.

A detailed explanation of testing/inspection items for each phase of construction has been provided below:

- **Soils** – Compaction testing will be performed during the 28 planned trips to the project site for this item. In addition, MTI will perform 2 geotechnical observations after stripping activities have taken place to confirm footing bearing surfaces. *Please note MTI's rate for "Soils Field Density Technician" includes: Qualified MTI inspector equipped with their assigned nuclear densometer (soil density gauge). \*MTI does not charge for individual density shots taken.*
- **Concrete** – "Special Inspection" of reinforcing steel and concrete is required. Inspection of reinforcing steel and testing/inspection of concrete will be performed during the 26 planned trips to the project site for placement of thickened slabs, footings, stem walls, flatwork, and curbing. One set of 4 concrete cylinders will be cast for each 100 cubic yards, or fraction thereof, of each concrete mix placed each day. *Please note testing of slump, air, and temperature are included within MTI's rate for "Concrete Inspector".*
- **Epoxy Bolting/Doweling** – Special Inspection of Epoxy Bolting/Doweling is required. Inspections will be performed on a continuous basis during the 6 planned trips to the project site for this item to verify the type of epoxy, bolts, dowels, depth of bolt/dowel holes, and the cleanliness of the drilled holes as required by the specifications of the project and the manufacture of the epoxy that will be used. Installation instructions will be confirmed and monitored during the placement of epoxy bolting/doweling.

- **Masonry** – “Special Inspection” of masonry is required. Inspection will consist of inspecting cell conditions and reinforcing steel placement prior to grouting and witnessing of grouting activities during placement. Inspections will be performed on a periodic basis during the 14 planned trips to the project site for this item. Testing will include compressive strength of masonry units, masonry prisms, and grout prisms.
- **Fabrication Shop Inspections** – It has been assumed that the steel materials for this project will be fabricated by an “Approved Fabricator” (AISC Certified Fabrication Shop) as defined by the IBC. Therefore this item has not been included in this estimate. If Fabrication Shop inspections are necessary an estimate will be provided upon request.
- **Structural Steel** – “Special Inspection” of welded and bolted connections is required. Periodic visual welding inspection will be performed on all field welds. Bolted connections will be inspected in accordance with the project specifications. The first trip should be performed at the start-up of welding or bolting operations to check certifications or bolt calibrations and review procedures with on-site welders / steel workers. The 8 intermediate trips should be performed to inspect welds or bolts that are to be covered prior to the final inspection. The final inspection should be performed at the completion of welding and bolting, but prior to departure of the steel crew, to inspect the finished product.
- **Ultrasonic Testing (UT)** – UT will be performed in accordance with the requirements set forth in AWS D1.1 and in conjunction with the project requirements. This estimate is based on the UT of all complete joint penetration welds.
- **Firestopping** - “Special Inspection” of fire stop materials is required. Firestopping will be inspected during the 30 planned trips to the project site for this item
- **Project Management** – Project management and engineer oversight will be provided as required to manage the project and prepare formal reports. Services will generally include the following: attending project meeting, scheduling appropriate field personnel and providing oversight, processing of reports, reviewing project mix designs, reviewing construction documents, preparing invoices, and providing a communication link between project team members.

It is MTI’s intention that our services will complement your efforts towards maintaining the highest standards of quality. Please let us know if you require additional information. We thank you for considering our firm and look forward to working with you on this project.

Respectfully Submitted,  
Materials Testing & Inspection, LLC



Emily Taylor  
Estimator

Environmental Services     Geotechnical Engineering     Construction Materials Testing     Special Inspections

## Services & Fees

Rates provided herein are for use on this project for the fiscal year as indicated. Services provided outside normal business hours, 8:00am to 5:00pm, or in excess of 8 hours per day, and services performed on Saturdays or Sundays will be invoiced at 1.5x the indicated rate. Services performed on holidays will be billed at 2x the indicated rate. Billing minimums of 2 hours will be assessed for each service performed. Cancellations, for any reason, must be received the prior day by 5:00pm to avoid show up time fee. Reports are distributed using MTI's E-Reports System unless requested otherwise. Special Handling of reports and/or invoices will be billed out at Project Management rates as indicated herein.

CODE	ITEM	# of Trips	# of Units	UNIT	RATE	Totals
<b>SOILS TESTING &amp; INSPECTION</b>						
33380	Soils Field Density Technician D2922/6938	28	56	HR	\$50	\$2,800.00
92684	Proctor D698, D1557/T99, T180		3	EA	\$175	\$525.00
92801	Sieve - Coarse & Fine C117, C136/T11, T27		3	EA	\$95	\$285.00
66610	Subgrade Inspector	2	4	HR	\$80	\$320.00
91440	Travel Charge - Inspector from Twin		2	EA	\$100	\$200.00
33340	Sample Pick Up	1	2	HR	\$48	\$96.00
					<b>Sub-Total</b>	<b>\$4,226.00</b>
<b>CONCRETE TESTING &amp; INSPECTION</b>						
33040	Concrete Inspector	26	52	HR	\$50	\$2,600.00
33140	Epoxy Bolt/Dowel Inspector	6	12	HR	\$50	\$600.00
92243	Concrete Cylinders C39/T22		104	EA	\$20	\$2,080.00
33080	Cylinder Pick Up	14	70	HR	\$50	\$3,500.00
					<b>Sub-Total</b>	<b>\$8,780.00</b>
<b>MASONRY TESTING &amp; INSPECTION</b>						
33200	Masonry Inspector	14	70	HR	\$49	\$3,430.00
91440	Travel from Twin		14	EA	\$100	\$1,400.00
92270	Cube Compressive Strength - Grout/Mortar/Gypsum		6	EA	\$30	\$180.00
92414	Grout Prisms C1019		8	EA	\$20	\$160.00
92171	CMU Compressive Strength (Prism Grouted) (Set of 3)		2	EA	\$255	\$510.00
33080	Cylinder Pick Up	2	10	HR	\$50	\$500.00
					<b>Sub-Total</b>	<b>\$6,180.00</b>
<b>STEEL TESTING &amp; INSPECTION</b>						
77510	Structural Steel Inspector	10	30	HR	\$70	\$2,100.00
77620	Ultrasonic Inspection	3	12	HR	\$80	\$960.00
91440	Travel From Boise		3	EA	\$475	\$1,425.00
77120	Fab Shop Inspection			HR	\$75	\$0.00
33170	Firestop Inspector	3	9	HR	\$80	\$720.00
91440	Travel From Boise		3	EA	\$475	\$1,425.00
					<b>Sub-Total</b>	<b>\$6,630.00</b>
<b>MISCELLANEOUS ITEMS</b>						
88260	Project Manager		17	HR	\$62	\$1,054.00
91300	Mileage - 25 Miles R/T	109	2725	EA	\$0.68	\$1,853.00
81130	Summary Inspection Report			HR	\$85	\$0.00
88060	Professional Engineer		4	HR	\$125	\$500.00
					<b>Sub-Total</b>	<b>\$3,407.00</b>
<b>Estimated Project Total:</b>						<b>\$29,223.00</b>

**Please See Notes on Following Page:**

Environmental Services       Geotechnical Engineering       Construction Materials Testing       Special Inspections

**Note**

- If necessary please dismiss any items in the estimate above that will not be considered for satisfying this projects quality control requirement.
- **MTI's rates include the use of all of our testing equipment during performance of our services.**

The individual signing below represents and warrants that he/she has full authority to enter into this Agreement on behalf of CLIENT. By signing below, CLIENT is acknowledging and agreeing to [Materials Testing and Inspection's Terms and Conditions](#) (or available upon request). If the individual below lacks such authority, he/she shall be personally responsible for payment of obligations under this Agreement. IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date indicated above.

**Materials Testing & Inspection, LLC**

Signature: \_\_\_\_\_  
Print Name & Title: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Print Name & Title: \_\_\_\_\_  
Date: \_\_\_\_\_

(EOE/AA/MFDV)