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## Header 3

## General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 568821

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0803

Vendor ID: 000000213654



SO Doc ID: DOT1900000104

Legal Name: TROXLER ELECTRONIC LAB INC

Published Date: 4/23/19

Alias/DBA:

Close Date: 5/8/19

Total Bid: \$123,600.00

Close Time: 13:30

Response Date: 05/07/2019



Status: Closed

Response Time: 10:28

Solicitation Description: ASPHALT MIXTURE TESTING  
EQUIPMENT (7719008)

Total of Header Attachments: 3

Total of All Attachments: 3



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 568821  
**Solicitation Description :** ASPHALT MIXTURE TESTING EQUIPMENT (7719008)  
**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-05-08 13:30:00	SR 0803 ESR05071900000005095	1

<b>VENDOR</b>
000000213654 TROXLER ELECTRONIC LAB INC

**Solicitation Number:** CRFQ 0803 DOT1900000104

**Total Bid :** \$123,600.00      **Response Date:** 2019-05-07      **Response Time:** 10:28:25

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

<b>Signature on File</b>	<b>FEIN #</b>	<b>DATE</b>
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	AUTOMATIC VACUUM SEALING SYSTEM	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
41104500			

Extended Description :	AUTOMATIC VACUUM SEALING SYSTEM
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**Comments:** Troxler does not manufacture this unit.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	AUTOMATIC VACUUM DRYING SYSTEM	7.00000	EA	\$5,525.000000	\$38,675.00

Comm Code	Manufacturer	Specification	Model #
41102400			

Extended Description :	AUTOMATIC VACUUM DRYING SYSTEM
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**Comments:** See attached spec sheet.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	ASPHALT IGNITION FURNACE SYSTEMS	10.00000	EA	\$8,491.500000	\$84,915.00

Comm Code	Manufacturer	Specification	Model #
41104500			

Extended Description :	ASPHALT IGNITION FURNACE SYSTEMS
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**Comments:** Each oven will come with accessories:  
 (2) basket assemblies, which each include: 2 baskets, 1 cover, and 1 tray.  
 (4) rolls of printer paper  
 Sample basket handle  
 Protective cooling cage

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	ASPHALT IGNITION FURNACE ACCESSORY KITS	10.00000	EA	\$1.000000	\$10.00

Comm Code	Manufacturer	Specification	Model #
41104500			

<b>Extended Description :</b>	ASPHALT IGNITION OVEN ACCESSORY KITS
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**Comments:** All accessories will be included with each oven.  
(2) basket assemblies, which each include:  
2 baskets, 1 cover, and 1 tray.  
(4) rolls of printer paper  
Sample basket handle

# Troxler ADU Model 5151

## Automatic Drying Unit



## Rapid Drying of Compacted Asphalt Cores

- **Saves hours of drying time** — dries core samples in as little as 10 minutes
- **Small footprint** — small and lightweight design requires less table space
- **Simple one button operation** — just place the sample into the chamber, press the button and wait for the beep

### Essential for the Busy Lab

The ADU is ideal for drying compacted asphalt road cores that come from the jobsite wet and must be quickly analyzed for density. When many cores need to be dried quickly, the ADU is a lifesaver.

### No More Waiting

The ADU takes the place of slowly drying the core samples by placing them in front of a fan or in a low temperature drying oven. Both of these methods require waiting several hours while weighing intermittently until the weight loss stabilizes, indicating a dry sample. The typical drying time using the ADU is between 10 and 20 minutes, saving you hours of waiting. The core density can easily be determined within 30 minutes of arriving in the laboratory.

### User Friendly Interface

The ADU is user friendly with an easy to read large display and an audible alert that indicates when sample drying is finished. The menu driven operation provides clear concise instructions from device setup to sample drying.

### Meets Industry Standards

The Model 5151 complies with ASTM standard D7227 and AASHTO PP75.

# Troxler ADU Model 5151

## Automatic Drying Unit

### Additional Features

- *Cold Moisture Trap* - collects moisture to prevent damage to the pump.
- *Data Storage and Output* - automatically stores 20 data records and 4 calibration records.
- *Regulates Chamber/Sample Temperature* - prevents degrading of sample due to low or high drying temperature
- *Large Sample Chamber* - accommodates large samples up to 150 mm diameter and 8.5" height
- *Aggregate and Loose Asphalt Drying* - with provided sample holder, loose samples can be dried quickly
- *Service Alerts* - automatically notifies when routine maintenance is required
- *Takes Up Less Lab Space* - pump can be placed on a shelf or in a cabinet, out of the way

### SPECIFICATIONS

Size (WxDxH)	25" W x 10" D x 12" H (63.5 x 25.4 x 30.5 cm)
Weight	23 lbs (10.4 kg)
Shipping Weight	ADU - 50 lbs (22.7 kg) Pump - 35 lbs (15.9 kg)
Shipping Dimensions	ADU - 30" W x 20" D x 20" H (76.2 x 50.5 x 50.8 cm) Pump - 22" W x 16" D x 16" D (55.9 x 40.6 x 40.6 cm)
Operating Temperature	2° to 38° C (55° to 101° F)
Storage Temperature	- 55° to 85° C (-67° to 185° F)
Measure Units	Pressure reported in RVQ
Drying Time	Moisture content dependant: 10 to 20 minutes average
Power Source	120 VAC
Calibration	Internal pressure calibration performed daily (minimum)
Serial Port	9 pin male RS232
Connector	8 bit, 1 stop bit, no parity

Made in USA



3008 Cornwallis Road  
Research Triangle Park, NC 27709  
www.troxlerlabs.com  
1-877-TROXLER



SS5151042016

# Troxler ICO™ NCAT Oven

## Asphalt Ignition Oven



***The Fastest Burns in the Industry  
Complete, Clean Burns—Every Time***

### **Simple to Use**

Just follow these five easy steps: (1) heat the asphalt sample, (2) weigh the sample and divide it across two sample baskets, (3) enter the sample mass, (4) place the baskets in the chamber, and (5) close the door and press a button to begin the test.

### **Efficient**

Extremely fast warm-up (only twenty minutes) and recovery times ensure quick, complete burns. The typical burn time for a 1200 gram sample is twenty minutes or less (at 240 VAC).

### **Instant Results**

An integrated weighing system continuously measures the bituminous loss during combustion, and the oven displays the percent of asphalt in the mix when the burn is complete. You can then sieve the remaining aggregate for gradation analysis.

### **ASTM and AASHTO Compliant**

The oven uses the NCAT ignition method and fully meets and complies with ASTM D6307 and AASHTO T 308.

### **Superior Serviceability**

Maintenance is simple and straightforward. Removable panels allow easy access to all components and assemblies.

***“ Troxler’s ICO NCAT Oven performs at a high level of quality,  
and we are very satisfied with our investment. ”***

***McClelland Consulting Engineers, Inc.***

# Troxler ICO™ NCAT Oven

## Asphalt Ignition Oven

### Additional Features

- A small footprint makes the oven portable and ideal for on-site labs.
- The unit's sturdy construction includes an unbreakable steel hearth plate.
- You can use up to three nested sample baskets for high-mass samples.
- Low emissions eliminate the need for an afterburner or filters.
- No solvents are necessary.
- An internal printer and *Bluetooth*® wireless technology provide multiple printing options.
- Upgradeable software ensures a future-proof solution.
- The oven is delivered fully assembled.

Technical Specifications	
Maximum Sample Size	2500 g per sample pan (5000 g total)
Integrated Scale Resolution	0.1 g
Burn Time for 1200 g	Approximately 20 minutes (at 240 VAC)
Internal Memory Capacity	Sample data: 200 samples Project IDs: 20 Aggregate correction factors: 20
Standards	ASTM D6307, AASHTO T 308
Mechanical Specifications	
Outside Dimensions	35 H x 24 W x 31.5 D in (89 H x 60 W x 80 D cm)
Chamber Dimensions	12 H x 13 W x 19.7 D in (30.5 H x 33 W x 50 D cm)
Sample Pan Dimensions	2.5 H x 8 W x 14.5 D in (6.3 H x 20.3 W x 36.8 D cm)
Complete Pan Assembly Dimensions	6.5 H x 9.4 W x 15.5 D in (16.5 H x 23.8 W x 39.4 D cm)
Weight	160 lbs (72.7 kg)
Electrical Specifications	
Power Source	208/240 VAC 50/60 Hz
Current	26/30 A
Peak Power Consumption	5408/7200 W
Other	
RS-232 C Configuration	Data Terminal Equipment (DTE)
Serial Data Format	8 data bits, 2 stop bits, no parity
Baud Rate Range	600–9,600 baud
Liquid Crystal Display	4 lines, 20 characters per line
Keypad	25-key sealed membrane
<i>Bluetooth</i> Wireless Technology	

Made in USA

3008 Cornwallis Road  
 Research Triangle Park, NC 27709  
[www.troxlerlabs.com](http://www.troxlerlabs.com)  
 1-877-TROXLER



SSICO050817

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Brady Wickham Sales Consultant  
(Name, Title)  
Brady Wickham Sales Consultant  
(Printed Name and Title)  
3008 E. Cornwallis Road Research Triangle Park 27709  
(Address)  
919.314.2706  
(Phone Number) / (Fax Number)  
BWickham@Troxelabs.com  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Troxel Electronic Labs  
(Company)  
Brady Wickham Sales Consultant  
(Authorized Signature) (Representative Name, Title)  
Brady Wickham Sales Consultant  
(Printed Name and Title of Authorized Representative)  
5.6.19  
(Date)  
919.314.2706  
(Phone Number) (Fax Number)