Planning & Engineering

PURCHASES AND SUPPLIES

DIVISION OF PURCHASES AND SUPPLIES

TIFFANY WHITE, COMMISSIONER

PURCHASE DOCUMENTS

PLANS AND SPECIFICATIONS CAN BE PURCHASED AND PICKED UP FROM:

Jules Gilliam

THE DIVISION OF PURCHASES AND SUPPLIES

CITY HALL, ROOM 128

601 LAKESIDE AVENUE

CLEVELAND, OHIO 44114

CLEVELAND™ AIRPORT SYSTEM

Planning & Engineering

Questions and Answers

Please send all future questions in writing after the pre-bid meeting to the Division of Purchases and Supplies.

ATTN: Jules Gilliam

Emailed to both: Purchasing@clevelandohio.gov

and

jgilliam@clevelandohio.gov

Or via

Fax (216) 664-2275

Deadline for all questions:

March 1, 2024 at 4:00 PM EST

Bids Due to the Division of Purchases and Supplies:

March 22, 2024 on or before 11:59 AM

CLEVELAND™ AIRPORT SYSTEM


Comments
Questions
Discussion
CLEVELAND
AIRPORT SYSTEM

Cleveland Airport System
RTA Tunnel Membrane Replacement Pre-Bid Meeting Minutes

Pre-Bid Conference 2/23/2024 at 10am EST

Attendees:

Name	Representing
Michael Ibos	Michael Baker International
Nicole Bryan	Michael Baker International
Beau Williams	DPC Environmental
Bob Madden	
Erin Conroy	DPC
Eric Shuler	DPC Electrical
Eric Urdzik	DPC
Jason Weppelman	DPC OCI
Jeff Allshouse	DPC Security
Jeff Knittel	
Jules Gilliam	City of Cleveland
Kim McGreal	DPC Environmental
Lori Birschbach-Tober	DPC
Melissa Brkich	DPC
Roman Orinoco	DPC-OCI
Sharron Muia	DPC
Tony Bucco	DPC
Tristian Hooten	DPC
Zachary Randall	DPC

Notes:

- Next Addendum may be out Monday or Tuesday to add plumbing scope and footer drains.
- Final addendum will go out 3 days before bids are due and will include pre-bid meeting sign-in sheet, presentation, and answers to any questions received during bidding
- Bids due Friday, March 22 at 11:59 AM
- Question cut-off Friday 3/1 at noon
- Ibos went over the 4 major components of the project
  -Membrane Replacement
  -Mechanical Room Wall Repair
  -Footer Drain Replacement
  -Plumbing Modifications
- Reviewed the phases of construction – 120 days total
  -Phase 1 is the longest/biggest
  -Phase 2 is the south half of the remaining area
  -Phase 3 will be the area over the tunnel
  -Phase 4 includes the asphalt overlay
  -Phase durations will be added to the plans with the next addendum

- Roadway markings to be reinstalled in the existing locations so contractor must survey prior to removal.
- Power outages for electrical service relocations will be conducted between the hours of midnight and 4am.
- Discussed the proposed drainage including: locations where removal is required and where to tie-into the existing catch basins
- Reviewed the tunnel footer drain replacement. Design based on open cutting with stepped excavation. Contractor responsible for means and methods.
- Explained waterproofing system.
- Inverts are based on record drawings for the trunk lines in the RTA Connector/Collector.
- 8" PVC to replace the cast iron, no sanitary, all storm, the pit is in the mechanical room

Safety

- Safety management plans are key because of the impacts to the public and coordination is vital (security, airlines, TSA, will add terminal operations – due to bus impacts, etc.)

Security

- Mechanical room and EV-6 (card reader) are the only interior work and both are on the public side
- Badges for card swipes would be $65 for access to EVV-6 and the Mechanical Room
- Contractor will need to be badged to access EV-6 and the Mechanical Room
- ASO for the project will be required from the successful bidder.

Airport Operations

- Reviewed that all requirements in FAA AC 150-5370-2E.
- Movement inside the AOA fence will require an escort from Operations.
- Went over the service outages. Operations will need to be notified prior to shutdown.

Terminal Operations

- Phases 2 & 3 will have the most impacts to traffic but we will attempt to minimizing as much as possible
- No impacts anticipated to RTA Light Rail or Bus.
- Signage for rerouting the public will be provided by contractor as needed
- Access for public will be maintained at all times
- Keep noise levels as low as possible.
- Remove debris and keep it clean.
- Tools cannot be left out and perhaps behind a wall – contractor can lock in mechanical or electrical room at the end of day and during breaks
- Reviewed alternate locations for contractor to store their boxes

Office of Compliance and Inclusion

Jules Gilliam is the buyer for the project

- All questions must be submitted in writing to purchasing@clevelandohio.gov and/or jgilliam@clevelandohio.gov
- 216-664-2275, include name and file number for project
- March 21 by 4pm local time
- Initial to acknowledge any changes to bid form, ideally in a different color

Beau and Kim emphasized the environmental

- Airport holds 2 specific stormwater permits from the City
- Sediment and concrete washout must be managed and cannot end up in the stormwater system
- No discharging into the storm and any fees incurred will be passed along to the Contractor
- SWP3 must be managed properly

Question

Q: What is the file # that Jules referenced?

SOLAR TESTING LABORATORIES, INC.
Geotechnical and Environmental Engineering, Materials Testing, and Construction Inspection

1125 Valley Belt Road, Brooklyn Heights, Ohio 44131
Phone (216) 741-7007 • Fax (216) 741-7011
www.solartestinglabs.com

June 24, 2009

Mr. Lance Wanamaker, P.E.
Michael Baker Jr., Inc.
1228 Euclid Avenue, Suite #1050
Cleveland, OH 44115

Re: Asbestos Sampling & Analysis
C.H.I.A. – Terminal Lower Roadway
Cleveland, OH
STL Project No. A09258X26

Dear Mr. Wanamaker:

On June 19, 2009, Solar Testing Laboratories, Inc. (STL) obtained two material core samples from the Cleveland Hopkins International Airport – Terminal Lower Roadway over the terminal tunnel structure. A concrete coring machine mounted inside a van was used to obtain the core samples. Core samples penetrated the overlying road asphalt layer, the road concrete layer, and the asphaltic waterproof panel layer. Core sample locations and descriptions are as follows:

Core Sample I.D.	Material Description	Depth (inches)	Core Location
C-1	Asphalt	2.375	44 feet west of east end of island over tunnel
	Concrete	4.75	
	Waterproof Panel	~0.25	
C-2	Asphalt	1.75	34 feet west of C-1 location over tunnel
	Concrete	5.0	
	Waterproof Panel	~0.25	

The core samples were brought back to Solar Testing Laboratories, Inc., and one sample of the waterproof panel material from each core was submitted for Asbestos Analysis of Non-Friable Organically Bound Materials by PLM (EPA Method 600/R-93/116). See the attached Asbestos Laboratory Analytical Report.

Laboratory analysis results indicate the waterproof material sample 1C (from core C-1) has an asbestos content of 1.1% chrysotile fibers; and the waterproof material sample 2C (from core C-2) has an asbestos content of 0.7% chrysotile fibers. Since at least one sample of the asphaltic waterproof panel material has asbestos content greater than 1%, this material is classified as an asbestos containing material (ACM). Specifically, since the asbestos is interlocked in the asphalt portion of the material, the material is classified as a Category I non-friable ACM.

For renovation of structures, affected asbestos containing materials must be removed in accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP): Asbestos (40 CFR Part 61, Subpart M revised November 20, 1990) and the OSHA Construction Asbestos Standard 29 CFR 1926.1101. The NESHAP rule states that Category I

non-friable ACM that will become friable by sanding, grinding, sawing or abrading, must be removed in accordance with NESHAP if the quantity removed exceeds 160 square feet. The OSHA rule states that for removal projects of Category I non-friable ACM in excess of 25 square feet where the material requires non-intact removal (for example, cutting which generates dust or tailings), OSHA Asbestos Class II removal procedures must be followed. Agency notification, worker asbestos certification and medical exams, personal air sampling, work area isolation, asbestos work practice, personal protective equipment, hygiene facilities, and proper waste disposal must be provided in accordance with the NESHAP Asbestos rule and OSHA Asbestos Class II removal rules.

Thank you for the opportunity to be of service in this matter. Please call the undersigned should you have any further questions.

SOLAR TESTING LABORATORIES, INC.

Robert J. Davis, PE
Asbestos Hazard Evaluation Specialist # 33192
Asbestos Hazard Abatement Specialist #26976

RJD
Enclosures

ASBESTOS LABORATORY ANALYTICAL REPORT

EMSL Analytical, Inc.
2001 East 52nd St., Indianapolis, IN 46205
Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislab@emsl.com

Attn: **Bob Davis**
Solar Testing Labs
1125 Valley Belt Road
Brooklyn Heights, OH 44131

Fax: (216) 741-7011 Phone: (216) 741-7007

Project: **Cleveland Hopkins Int'l Airport/Lower Roadway Tunnel, Cleveland, OHio**

Customer ID: STLI93
Customer PO: None
Received: 06/22/09 9:50 AM
EMSL Order: 160909300

EMSL Proj:
Analysis Date: 6/23/2009

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
1C *160909300-0001*		Black Non-Fibrous Homogeneous	97.3	1.6 Glass	1.1% Chrysotile
2C *160909300-0002*		Black Non-Fibrous Homogeneous	97.3	2.1 Glass	0.7% Chrysotile

Analyst(s)

Craig Nixon (2)

Richard Harding, Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results can not be guaranteed. Samples report as <1% or none detected should be tested with TEM. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States government. Samples received in good condition unless otherwise noted.

THIS IS THE LAST PAGE OF THE REPORT.

Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205

Phone: (317) 803-2997
Fax: (317) 803-3047
http://www.emsl.com

Please print all information legibly. 160909300

Company:	Solar Testing Laboratories, Inc.	*Bill To:*	Solar Testing Laboratories, Inc.
Address1:	1125 Valley Belt Road	*Address1:*	1125 Valley Belt Road
Address2:		*Address2:*	
City, State:	Brooklyn Heights, Ohio	*City, State:*	Brooklyn Heights, Ohio
Zip/Post Code:	44131	*Zip/Post Code:*	44131
Country:		*Country:*	
Contact Name:	Bob Davis	*Attn:*	Accounts Payable
Phone:	216-741-7007	*Phone:*	216-741-7007
Fax:	216-741-7011	*Fax:*	
Email:	bdavis@solartestinglabs.com	*Email:*	
EMSL Rep:		*P.O. Number:*	None
Project Name/Number:	Cleveland Hopkins Intl Airport - Lower Roadway Tunnel Cleveland, Ohio		

MATRIX			TURNAROUND			
☐ Air	☐ Soil	☐ Micro-Vac	☐ 3 Hours	☐ 6 Hours	☐ Same Day or 12 Hours*	☒ 24 Hours (1 day)
☒ Bulk	☐ Drinking Water		☐ 48 Hours (2 days)	☐ 72 Hours (3 days)	☐ 96 Hours (4 days)	☐ 120 Hours (5 days)
☐ Wipe	☐ Wastewater		☐ 144+ hours (6-10 days)			

Need data by Tues. 6/23/11

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

***12 hours (must arrive by 11:00a.m. Mon -Fri.), Please Refer to Price Quote**

PCM - Air
- ☐ NIOSH 7400(A) Issue 2: August 1994
- ☐ OSHA w/TWA
- ☐ Other:

PLM - Bulk
- ☒ EPA 600/R-93/116 * w/ Gravimetric Reduction Prep.
- ☐ EPA Point Count
- ☐ NY Stratified Point Count
- ☒ PLM NOB (Gravimetric) NYS 198.1
- ☐ NIOSH 9002:
- ☐ EMSL Standard Addition:

SEM Air or Bulk
- ☐ Qualitative
- ☐ Quantitative

TEM Air
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP - 1988-02
- ☐ TEM NOB (Gravimetric) NYS 198.4
- ☐ EMSL Standard Addition:

PLM Soil
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2

TEM Microvac/Wipe
- ☐ ASTM D 5755-95 (quantative method)
- ☐ Wipe Qualitative

XRD
- ☐ Asbestos
- ☐ Silica NIOSH 7500

OTHER
- ☐

EMSL Analytical, Inc.

9300 Asbestos

CHAIN OF CUSTODY

Revised January 1, 2000

Transmitted Robert Davis Date 6/19/09 Time 5:00 pm

Received: _____ Date: _____ Time: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/ LOCATION	VOLUME (If Applicable)
1C	Asphaltic Membrane	—
2C	Asphaltic Membrane	—

Note: Please conduct gravimetric reduction prior to PLM analysis. Analyze all layers separately.

Page ___ of ___

S Wells 9:50 6-22-09