



Invitation to Bid
1/10/2022

Transit Bus Air Sanitation

The Biddeford-Saco-Old Orchard Beach Transit Committee (BSOOB Transit) is requesting proposals from qualified firms for the purchase of a Transit Bus Air Sanitation solution as listed in the Scope of Work.

Sealed proposals are due by 11:00 am on Thursday, February 3rd, 2022 at the BSOOB Office, 13 Pomerleau St., Biddeford, Maine 04005, at which time they will be publicly opened and read in the conference area of the BSOOB Office. Bidders or their representatives may be present and must adhere to COVID-19 guidelines requiring a mask and social distancing.

Please send all addendum requests to Rod Carpenter at rcarpenter@bsoobtransit.org. Addendums must be received by 4:00 pm on January 27th to be considered. All addendums will be advertised on the agency website, www.bsoobtransit.org under Transit Internal-RFP as they are received.

Bidders should understand that the submission of a bid represents an offer that may be accepted in whole by BSOOB. The acceptance of a bid in whole constitutes the formation of a Contract.

A bid may not be withdrawn after the date and time of bid opening and no bids will be accepted after the deadline.

Bids can be mailed or hand delivered in a sealed envelope to the BSOOB office, 13 Pomerleau St., Biddeford, ME 04005. **Bids will NOT be accepted via fax.**

Bids can also be emailed to rcarpenter@bsoobtransit.org with either a request to confirm receipt via email or a “read receipt” attached to the email submission.

1. Bid Performance

Contractor agrees to bear all costs incurred by BSOOB arising from the failure of Contractor through omission or commission to comply with all Federal, State and local statutes, regulations, ordinances or rules. Contractor further agrees to hold BSOOB harmless and to indemnify BSOOB for these costs as well as all costs of collection, including but not limited to reasonable attorneys’ fees.

If Contractor fails to fulfill its obligations under this Contract properly and on time, or otherwise violates any provision of this Contract, BSOOB may terminate Contract by written notice to Contractor. The notice shall specify the acts of omissions relied on as cause for termination. BSOOB shall pay Contractor fair, equitable compensation for satisfactory performance prior to receipt of notice of termination less the amount of damages caused by Contractor’s breach. If the damages are more than the compensation payable to Contractor, Contractor will remain liable after termination and BSOOB may collect damages, including costs of collection and reasonable attorney’s fees.



2. Equal Opportunity

BSOOB is an equal opportunity employer and shall not discriminate against an applicant as to race, creed, age, sex, sexual preference, disability, national origin, religion, veteran status, political affiliation or any other basis prohibited by law. Vendors and contractors or their agents doing business with BSOOB shall not violate the above clause or the Civil Rights Act of 1964. Violations by vendors shall be reviewed on a case-by-case basis and may mean an automatic breach of contract.

BSOOB has adopted a Minority Business Enterprise DBE/WBE Program. This program establishes a goal for DBE/WBE participation in BSOOB's total procurements.

3. Federal Transit Administration Clauses

Federal Transit Administration Clauses relevant to the procurement of materials and supplies are hereby incorporated into this specification by reference. Please see Appendix A for a listing of those clauses.

Bidders are required to submit written or printed proposals, signed by a person empowered to make all authorized decisions on behalf of the Bidder.

4. Bid Schedule

- | | |
|---------------------------|-----------------------------------|
| 1. Request for Proposals: | January 10, 2022 |
| 2. Addendum Requests: | January 27th, 2022 |
| 3. Final Proposals Due: | 11:00 AM, EST, February 3rd, 2022 |
| 4. Proposal Opening: | 1:00 PM, PST, February 3rd, 2022 |
| 5. Contract Award: | Within 30 days of opening |

5. Additional Information

Bidders needing more information than is found in these specifications should contact:

Rod Carpenter, Deputy Director
Biddeford Saco OOB Transit Committee
13 Pomerleau Street
Biddeford, Me 04005
(207) 282-5408 or rcarpenter@bsoobtransit.org



Appendix A – Required Federal Transit Administration Clauses

1. Fly America
2. Buy America
3. Cargo Preference
4. Energy Conservation
5. Clean Water
6. Lobbying
7. Access to Records and Reports
8. Federal Changes
9. Clean Air
10. Recycled Products
11. No Government Obligation to Third Parties
12. Program Fraud and False or Fraudulent Statements and Related Acts
13. Termination
14. Government-Wide Debarment and Suspension
15. Privacy Act
16. Civil Rights
17. Breaches and Dispute Resolution
18. Disadvantaged Business Enterprises
19. Incorporation of Federal Transit Administration Terms

NOTE: *Not all of the above listed clauses are necessarily applicable to this purchase.*

Regulations governing purchases such as this may be found in the Code of Federal Regulations, online in 2 CFR Part 200.326 and Appendix II to 2 CFR Part 200.



Overview

BSOOB Transit is requesting proposals from qualified firms for the purchase of a Transit Bus Air Sanitation solution as listed in the Scope of Work.

Proposers should review the requirements for the Transit Bus Air Sanitation solution detailed in the scope of work and submit a response in conformance with the requirements. BSOOB Transit expects to award the firm whose proposal is best aligned with the agency's requirements.

This RFP is open to all firms with the ability to provide the stated requirements listed in this solicitation. All proposals must be submitted in accordance with the requirements outlined in the Scope of Work.

Scope of Work

BSOOB Transit has a variety of vehicles. Each of these vehicles will be expected to have a fully functional air sanitation system installed at the completion of this contract award. Attached is a description of the vehicles and model of air systems, Attachment A of this RFP.

1. Active Air system

- 1.1. The system must use a UVC light with a quad-metallic hydrophilic catalyst to generate H₂O₂ and reactive oxygen species (ROS) to sanitize against various microbial species. This can be done with Photohydroionization (PHI Cell) or equivalent technology.
- 1.2. The system shall have 3rd party testing by nationally recognized labs to verify H₂O₂ production at 20 to 50 parts per billion and support all virus and bacteria test claims
- 1.3. The system shall be properly sized per application to support virus and bacteria kill rates as proven with 3rd party testing
- 1.4. The system shall be manufactured from aluminum and be able to mount inside of HVAC system or if a stand-alone unit it must contain its own airflow source
- 1.5. The manufacturer must be ISO 9001:2015 certified
- 1.6. The system should be available in configurations from 5 to 35 inches and units must be available for in-duct, standalone or portable use so that a common technology is used over all assets
- 1.7. The expected UV lamp/catalyst (cell) life should be no less than 1 year and UV ballast should be warranted for 2 years
- 1.8. The system shall be environmentally friendly and not emit direct UVC outside of the installation
- 1.9. The UV lamp should be mechanically protected from accidental breakage
- 1.10. The system shall not generate H₂O₂ levels above 0.1ppm (1/10 of OSHA limits of 1ppm) when sized appropriately for HVAC system
- 1.11. The unit shall be resistant to dust particles normally found in a HVAC unit
- 1.12. The working temperature of the system shall be -30C to 65C (-22F to 149F)
- 1.13. The system must provide a visual indicator to confirm functionality



2. Electrical

- 2.1. The system must be able to tie into vehicle power and signal supply directly with provided wiring harness (ex. 12V dc, 24V dc, 37.5V dc)
- 2.2. The system shall draw a maximum of 1.5 amp
- 2.3. The system shall have a 5-amp integrated fuse for dc applications.

3. System Test Specifications

- 3.1. The system must meet all applicable sections IEC 61373:2010 for shock and vibration
- 3.2. The system must meet all applicable sections SAE J1455 for electrical specifications
- 3.3. The system must meet all applicable sections of IEEE 1476-2000 (IEEE Standard for Passenger Train Auxiliary Power Systems Interfaces)
- 3.4. The system must meet all applicable sections IEC 60571:2012 Railway applications – Electronic equipment used on rolling stock

4. Implementation & Training

- 4.1. The Contractor will supply, install, and program all required hardware and software to operationalize the sanitation system.
- 4.2. Once installation is complete, the Contractor will train staff all tasks necessary to utilize and support daily operation of the system.

5. System Options:

- 5.1. The system may provide externally mounted LED light, etc. to show system active in operators or passenger area as defined
- 5.2. The system shall come with installation label showing date of install and defined replacement date of UVC bulb and catalyst

Agency Contact

The Purchasing Agent at BSOOB Transit will be the contract administrator until the time of award. Changes or additions made by anyone other than the Purchasing Agent will not be accepted or paid for by BSOOB Transit.

Vendor Contact

The Contractor shall provide a contact with authority to approve addendums request during installation and testing.

BSOOB Transit shall not be responsible for requests made by unauthorized personnel.

Evaluation Criteria

A team of BSOOB Transit Staff will evaluate the proposals. The team will select the firm whose proposal is most advantageous to BSOOB Transit.



Selection Procedure

The evaluation team will evaluate and score all proposals received based on the criteria listed below.

1. Proposals not meeting the minimum requirements and those that are not responsive will not be given further consideration.
2. Responsive proposals in the competitive range will be determined. These proposers will be evaluated. When evaluations are concluded, BSOOB Transit will determine the highest overall scoring firm. If needed, negotiations and Best and Final Offers may also be requested from the highest overall scoring firm.
3. BSOOB Transit will then recommend that the chosen firm be awarded a contract for this purchase.

Proposals will be evaluated based on the following criteria: (listed in order of importance)

1. Ability to provide quality sanitation systems that are consistent with the requirements and expectations of the scope of work.
2. Reasonableness of costs.
3. Ability to provide all product items specified in a timely manner.
4. Sufficient stock to meet BSOOB Transit's needs.
5. Experienced technical personnel.
6. DBE Participation.

As reflected above, contract award will not be based solely on price, but on a combination of factors as determined to be in the best interest of BSOOB Transit

Award of Contract

Within 30 days of the deadline for submittal of Proposals, BSOOB Transit will decide to award a contract or reject all Proposals, unless an extension is made. The formal acceptance by BSOOB Transit of the proposer's Bid shall be a "Notice to Proceed" issued by BSOOB Transit. Upon execution and submission of all required documentation, BSOOB Transit will issue a "Purchase Order" evidencing its formal acceptance and award of a contract with BSOOB Transit.



Transit Bus Sanitation Pricing Quote

We, _____, agree to provide product and installation services as outlined in this RFP for BSOOB Transit, at the costs indicated on this Proposal Sheet.

Each proposal shall comply with the specifications and/or approved equals as outlined in this RFP and any supplemental information provided to us.

Authorized by: _____

Print name & Title: _____

Date: _____/_____/2022

Total cost of Products for buses from Attachment A \$ _____

Total cost of Installation on buses from Attachment A \$ _____

Total cost of Products and installation. \$ _____

Provide and attach a separate bid sheet showing a per bus fleet cost. (Bus fleet descriptions found on Attachment A)

This separate bid breakdown sheet should include a cost per separate model of products and part numbers to be used on each bus fleet.

Warranty: The proposer warrants all material, products and labor for a period of:



Notice of Intent to Bid on: Transit Bus Air Sanitation Solution

Firm: _____ **WILL** ___ **WILL NOT** ___ submit a bid to furnish the above-referenced product.

This request for information is being sent to you and to other product providers to assist us in determining who will be submitting a bid.

Whether or not you choose to submit a bid at this time, please return this form if you wish to be retained on our list of bidders.

___ We are not submitting a bid, but please keep us on your list of bidders.

___ You may remove us from your bidders list (NOTE: Firms who do not return this form will be automatically removed from our bidder list).

Contact Name: _____

Address: _____

City/State/Zip: _____

Telephone: _____ Fax: _____

Email address: _____

Please return this form immediately upon receipt (by mail or email) to:

Rod Carpenter, Deputy Director
Biddeford-Saco-Old Orchard Beach Transit
13 Pomerleau St.
Biddeford, ME 04005
rcarpenter@bsoobtransit.org



CIVIL RIGHTS REQUIREMENTS

The following requirements apply to the underlying contract:

1. **Nondiscrimination** – In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.
2. **Equal Employment Opportunity** – The following equal employment opportunity requirements apply to the underlying contract:
 - a. **Race, Color, Creed, National Origin, Sex** – In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor,” 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, “Equal Employment Opportunity,” as amended by Executive Order No. 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.
 - b. **Age** – In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. §§ 623 and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.
 - c. **Disabilities** – In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the Contractor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, “Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,” 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.



Attachment A

AGENCY	YEAR	HVAC ionization	VENDOR NAME	VEHICLE TYPE DESC	VEHICLE MAKE DESC		VIN	VEHICLE MODEL
<i>Biddeford, Saco, OOB Transit Comm.</i>								
26	2010	yes	ElDorado National	Standard Size Heavy Duty Low-Floor (35-40 feet)	El Dorado	Thermo King Roof top	1N9HEACLXAC084327	TK
29	2010	yes	ElDorado National	Standard Size Heavy Duty Low-Floor (35-40 feet)	El Dorado	Thermo King Roof top	1N9HEACL1AC084328	TK
17	2010	yes	ElDorado National	Standard Size Heavy Duty Low-Floor (35-40 feet)	El Dorado	Thermo King Roof top	1N9HEACL6ACO84325	TK
2159	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFCOLCMD2159	MainStreet
2161	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC9LCMD2161	MainStreet
2162	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC9LCMD2162	MainStreet
2163	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC0MCMD2163	MainStreet
2164	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC2MCMD2164	MainStreet
2165	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC4MCMD2165	MainStreet
2166	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC6MCMD2166	MainStreet
2671	2021	yes	HomeTown	Standard size medium duty Trolley	HomeTown/Freightliner	Thermo King Rear	4UZABOFC3LCMJ2671	MainStreet
857	2008	yes	SCTA Reading PA	Standard Size Heavy Duty Low-Floor (35 feet)	Gillig	Thermo King Rear	15GGB271781079717	BRT
7752	2021	yes	Prevost	Over-the-road bus (BR) (45ft)	Prevost		4RKG33491M9737752	X3-45
7753	2021	yes	Prevost	Over-the-road bus (BR) (45ft)	Prevost		4RKG33493M9737753	X3-45
18	2002	yes	PRTC woodbridge	Over-the-road bus (BR) (45ft)	MCI	Thermo King Rear	1M8PDMRA02P054758	D4500
861	2008	yes	SCTA Reading PA	Standard Size Heavy Duty Low-Floor (35 feet)	Gillig	Thermo King Rear	15GGB271781079717	BRT
24	2004	yes	Austin,TX	Standard Size Heavy Duty Low-Floor (35 feet)	New Flyer	Thermo King Rear	5FYD2GL043U024931	Low Floor
28	2004	yes	Austin,TX	Standard Size Heavy Duty Low-Floor (35 feet)	New Flyer	Thermo King Rear	5FYD2GL0X3U024920	Low Floor
35	2004	yes	Austin,TX	Standard Size Heavy Duty Low-Floor (35 feet)	New Flyer	Thermo King Rear	5FYD2GL033U024922	Low Floor