# OAKBROOK TERRACE FIRE PROTECTION DISTRICT REQUEST FOR BIDS

# ITEM: BREATHING AIR CASCADE SYSTEM PURCHASE

**Bid Submission Deadline:** 

August 21, 2024, at 2:00 PM at 17W400 Butterfield Road, Oakbrook Terrace, Illinois, 60181

# **Bid Opening:**

August 21, 2024, at 3:00PM at 17W400 Butterfield Road, Oakbrook Terrace, Illinois, 60181

Board of Trustees OAKBROOK TERRACE FIRE PROTECTION DISTRICT Oakbrook Terrace, Illinois 60181 (630) 834-2759

August 7, 2024

## OAKBROOK TERRACE FIRE PROTECTION DISTRICT 17W400 BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181 PHONE: 630-834-2759 FAX: 630-834-1085

TRUSTEES D. VENTURA A. SARALLO C. HARING FIRE CHIEF J. TURKOVICH

## August 7, 2024

RE: BREATHING AIR CASCADE SYSTEM BID OPENING: August 21. 2024, at 3:00 PM at 17W400 Butterfield Road, Oakbrook Terrace, Illinois 60181

Dear Bidder:

Enclosed you will find information relating the Oakbrook Terrace Fire Protection District's intention to undertake a bidding process for Breathing Air Cascade System.

The materials enclosed are as follows:

- 1. Advertisement for Bids
- 2. General Conditions for All Bids
- 3. Bid Specifications
- 4. Bid Form
- 5. Proposal
- 6. Addendum
- 7. Vendor's Certification of Eligibility

Please return your signed Bid Form, Proposal, Addendum, and Vendor's Certification of Eligibility in an opaque, sealed envelope, showing the Product name, Date and Time of Opening in the lower left-hand corner of the envelope. These forms <u>must</u> be filled out, signed, and returned in a sealed envelope, or <u>your bid will not be considered</u>.

If you have any questions regarding the timing of this bid opening, please contact Acting Fire Chief John Turkovich. Any concerns about the interpretation of bid documents must be made in writing to the following email address: <u>jturkovich@oakbrookterracefire.org</u>

Sincerely,

Johnny Turkovich, Fire Chief Oakbrook Terrace Fire Protection District

# **ADVERTISEMENT FOR BID**

## LEGAL NOTICE

NOTICE is hereby given that the OAKBROOK TERRACE FIRE PROTECTION DISTRICT ("District") is accepting sealed bids for the purchase of a Breathing Air Cascade System. Detailed specifications and bid packets may be obtained at the Oakbrook Terrace Fire Protection District, 17W400 Butterfield Road, Oakbrook Terrace, Illinois 60181. For further information contact Acting Chief John Turkovich at (630) 834-2759 or via e-mail at jturkovich@oakbrookterracefire.org. Sealed bid proposals titled "Sealed Bid – BREATHING AIR CASCADE SYSTEM PURCHASE" will be accepted by mail or hand delivery to Acting Chief Johnny Turkovich, 17W400 Butterfield Road, Oakbrook Terrace, Illinois 60181 until 2:00 p.m. on August 21, 2024, after which time no additional bids shall be accepted. The sealed bids will be opened at a public bid opening on August 21, 2024, at 3:00 PM at 17W400 Butterfield Road, Oakbrook Terrace, Illinois 60181, and the contents of the bids announced. The District intends to award the contract for the Breathing Air Cascade System to the lowest responsible bidder, as determined by the District. The Oakbrook Terrace Fire Protection District reserves the right to waive any irregularities, technicalities, and other nonmaterial variances contained in any bid and reject all bids.

#### OAKBROOK TERRACE FIRE PROTECTION DISTRICT 17W400 BUTTERFIELD ROAD OAKBROOK TERRACE, IL 60181 PHONE: 630-834-2759 FAX: 630-834-1085

TRUSTEES D. VENTURA A. SARALLO C. HARING FIRE CHIEF J. TURKOVICH

## REQUEST FOR BID ON PURCHASE OF BREATHING AIR CASCADE SYSTEM

## DATE: August 7, 2024

ITEM: BREATHING AIR CASCADE SYSTEM PURCHASE

Bids will be received until **August 21, 2024, at 2:00PM** on the product, specified herein. The Date and Time as stated, is also the time of the public bid opening, unless modified by the OAKBROOK TERRACE FIRE PROTECTION DISTRICT ("OBTFPD"). All Vendors are welcome to attend this opening.

# **GENERAL CONDITIONS**

#### 1. PREPARATION OF BIDS

Each bid shall be submitted on the Bid Form furnished in these documents and submitted to the Acting Chief, Johnny Turkovich, 17W400 Butterfield Road, Oakbrook Terrace, Illinois 60181 prior to **August 21, 2024 at 2:00PM**. All submitted bids must be written in black or blue ink or typewritten, and signed with the legal signature of the Bidder, enclosed in an opaque envelope, sealed and clearly marked BREATHING AIR CASCADE SYSTEM PURCHASE <u>showing the bid identification, and date and time of opening</u> in the lower left-hand corner. The envelope must also contain the name and address of the bidder. <u>The bidder must insure that the "sealed bid" envelope is properly identified</u>. The OBTFPD is not responsible for the premature opening of bid envelopes that are not properly marked. Any bids which are opened prior to the scheduled bid opening because of a failure to properly mark the envelope in accordance with this section, shall be deemed non-responsive and not considered.

#### 2. EXAMINATION

Each bidder shall examine each and every part of the Specifications in order to comply with all requirements.

#### 3. ERRORS AND OMISSIONS

All bidders are requested to notify the OBTFPD immediately of any errors or omissions that are encountered. If a mistake in these documents is discovered after the bid opening, the Board of Trustees of the OBTFPD will be the sole judge of whether the mistake requires the submission of new

bids. This decision shall be final and not subject to recourse. Errors and omissions by the Bidder on the Bid Form cannot be corrected after the bid opening. The bid will be rejected if the error or omission on the Bid Form results in a material defect, the bid will be rejected. Mere computational errors on the Bid Form will be corrected by the OBTFPD.

# 4. TIMELY SUBMISSIONS

The receipt of bids will cease at the date and time set forth above for the receipt of bids. Bids received after the scheduled date and time <u>will not be considered</u> unless evidence is presented, acceptable to the OBTFPD, that show that it was in possession of the bid prior to the bid opening date and the bid was misplaced while in possession of the OBTFPD. Bids will not be accepted after the scheduled date and time of opening, and any bids received late will be returned to the bidder unopened, if at all possible. In many instances it is impossible to determine whom the bid is from unless it is opened. Should this be the case, the bid will be opened, address secured, and returned immediately.

# 5. QUALIFICATIONS OF BIDDERS

The OBTFPD may take action deemed necessary to investigate the qualifications of each bidder. Each bidder shall complete the affidavit of experience form in these Bid Documents and submit such form with the Bid Form. The Board of Trustees of the OBTFPD reserves the right to qualify or disqualify bidders as a result of lack of similar product experience and/or any other information obtained from the affidavit of experience form. Details of the qualifications and requirements are found in the Terms and Conditions, below.

# 6. TAX EXEMPTION

The OBTFPD is not subject to federal excise tax or Illinois retailer's occupation tax.

# 7. DELIVERY DATE

Bidder shall make delivery by the following delivery date: **within 3 to 6 months of award / approval**. Failure to deliver within the specified time shall constitute a breach of the agreement.

# 8. SUBSTITUTIONS

The use of brand name or catalog number in the Specification is only for the purpose of establishing a grade or quality required. Because the OBTFPD does not wish to rule out other competition, whenever a specific brand name or catalog number is mentioned, the Bidder should add the phrase "or approved equal". Bidders proposing to use an alternate must request approval in writing to the OBTFPD no later than five (5) business days prior to the bid opening. Bids which propose to use a non-approved alternate will be rejected.

The OFPD shall be the sole and final judge as to whether any substitute is of equivalent or better quality. This decision is final and will not be subject to recourse by any person, firm, or corporation.

## 9. ADDENDA AND INTERPRETATION

All interpretations and requests for interpretations of the Bid Documents must be made in writing. Any addenda shall become part of the Contract Documents.

# 10. AWARD SELECTION

Bids will be awarded to the lowest responsible bidder complying with the conditions and Specifications presented herein. Although price is a major consideration in the award of bids, the OBTFPD does not award on price alone. The OBTFPD also considers the quality of product, as judged by the OBTFPD in its sole and absolute discretion, terms of delivery, serviceability and any and all other factors permitted by law. If specified on the bid form, awards will be based upon the submitted unit prices. The OBTFPD reserves the right to award the Contract to one bidder for the entire product or to any series of bidders for an appropriate portion of the product. The OBTFPD also reserves the right to: determine whether the selection, in its judgment, meets the needs or purposes intended; to increase or decrease the quantities shown on the bid; to reject any and all price or bids submitted and to waive any irregularities, technicalities, and other nonmaterial variances contained in any bid and reject all bids. Such decisions shall be final and not subject to recourse.

No bids may be withdrawn after the official opening. All bids submitted must be valid for a minimum of **Sixty (60) days** after the date set for the bid opening. Bids are submitted to the Board for approval at a regular meeting of the Board of Trustees for the OBTFPD.

# 11. INVOICING AND PAYMENT

Terms for payment are as follows:

The OBTFPD will pay <u>100%</u> of the total bid price **upon delivery**, **installation and testing** of the equipment. The Bidder shall issue an invoice after acceptance, by the OBTFPD, of delivery of the equipment for the balance.

The Bidder shall issue an invoice after acceptance of the bid by the OBTFPD. Invoices shall be typed and sent to the OBTFPD containing the following information:

- 1. The name, address and phone number of the Vendor;
- 2. Any payment discount terms offered;
- 3. An itemization of all materials, supplies and equipment provided;
- 4. Completed W-9 form.

The OBTFPD is not subject to Federal Excise Tax or Illinois Retailers Occupational Tax. Quote all prices F.O.B. Oakbrook Terrace, Illinois, including all freight and delivery charges to its facility.

# 12. COMPLIANCE WITH LAWS

All materials, supplies and equipment provided under this bid must comply with all federal, state, county and local laws, ordinances, rules, regulations and orders that in any manner affect the production and sale of the product or service contained herein. Additional certifications, attached as addenda, will be required in the event federal or state funds are being used to fund this contract. Lack of knowledge on the part of the vendor will in no way be cause for release of this obligation. The OFPD reserves the right to reject any bid, cancel any contract and pursue any other legal remedies deemed necessary if it becomes aware of violation of any laws on the part of the vendor.

## 13. MATERIALS

All materials supplied by the Vendor under the provisions of this document and any attachments hereto shall be new materials of the kind and character called for. Defective equipment or materials, including material damaged in the course of manufacture, shipping, delivery, installation or testing shall be replaced or repaired in a matter satisfactory to the OBTFPD. All material and equipment furnished under these Specifications shall be the standard product of a manufacturer regularly engaged in the production of such material and shall be the manufacturer's current standard design.

# 14. WARRANTY/ GUARANTEE

The Bidder warrants to the OBTFPD that all materials, supplies and equipment furnished will be of good quality and new unless otherwise required or permitted by the Specifications, that the materials, supplies and equipment will be free from defects not inherent in the quality required or permitted, and that the materials, supplies and equipment will conform to the Specifications. Materials, supplies and equipment not conforming to the Specifications, including substitutions not properly approved or authorized are defective and will be rejected by the OBTFPD. This warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Bidder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage.

Bidder must provide the OBTFPD with two (2) copies of any manufacturer's warranty or guarantee information. If necessary, the Bidder will assign all manufacturers' warranties to the OBTFPD.

## 15. FAIR EMPLOYMENT

Bidder's signature on the Bid Form will be construed as acceptance of and willingness to comply with all provisions of the acts of the General Assembly of the State of Illinois relating to wages of laborers, preference to citizens of the United States and residents of the State of Illinois, and discrimination and intimidation of employees. Provisions of said acts are herein incorporated by reference and become a part of this Proposal and Specifications.

## 16. NON-DISCRIMINATION: HUMAN RIGHTS ACT

The Bidder hereby agrees that any contract it enters into with the OBTFPD shall be performed in compliance with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 *et seq.*, and that the Bidder shall not engage in any prohibited form of discrimination in employment as defined in the Act or as otherwise prohibited under Federal or other State law. The Bidder shall maintain policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. The Bidder and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. The Bidder and all subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed under any contract with the OBTFPD.

Sexual Harassment Policy:

Pursuant to Section 2-105 (A)(4) of the Illinois Human Rights Act, the Bidder and any of its subcontractors shall adopt and maintain written sexual harassment policies that shall include, at a minimum, the following information:

- (1) the illegality of sexual harassment;
- (2) the definition of sexual harassment under State law;
- (3) a description of sexual harassment, utilizing examples;
- (4) the contractor/subcontractor's internal complaint process, including penalties;
- (5) the legal recourse, investigative and complaint process available through the Department and Commission;
- (6) directions on how to contact the Department and the Commission; and
- (7) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act.

A copy of these policies shall be provided to the OBTFPD upon request.

# 17. CERTIFICATION TO ENTER INTO PUBLIC CONTRACTS

The Bidder certifies that it is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code or any similar offense of any State of the United States which contains the same elements as the Illinois offenses of bid-rigging or bid rotating. The Bidder shall execute the Certification attached to the Bid Form.

# **ITEM /PRODUCT BID SPECIFICATIONS**

#### Sales Specifications Breathing Air Module Model BAM06H – or Comparable

The entire breathing air module shall be integrated into a single, free-standing unit. The outer frame shall be of heavy-duty construction consisting of welded two inch square tube. To minimize radiant sound level the enclosure shall contain sound absorbing material. The unit shall be designed to allow installation flush against a wall without inhibiting cooling air flow or maintenance access. The complete system shall not exceed the following dimensions. 31  $\frac{1}{4}$ " (W) X 42"(D) X 66"(H)

The breathing air module shall be factory assembled and tested to assure quality and reliability. The system scope of supply shall be housed within the confines of the sheet metal enclosure; to include: UL listed electrical panel, purification system, muffler reservoir and pressure bearing components as follows:

<u>Compressor:</u> The compressor block shall be four stage, air cooled, pressure oil lubricated of "V" configuration and rated for continuous duty at 6000 psig with a charging rate of 14.0 cfm. The crankcase shall be of all cast iron construction, fully enclosed and support an iron crankshaft with oversized ball bearings on each end. Only two connecting rods shall be utilized. Each connecting rod shall be equipped with needle bearings on each end for long life. All pistons shall be of the captive design, manufactured of aluminum or steel and incorporate rings on all stages. Cylinders shall be of aluminum or cast iron construction with deep cooling fins to provide maximum heat dissipation. The compressor flywheel shall incorporate a high velocity fan to remove heat from the compressor. Cooling air flow from the fan shall be a minimum of 3000 cfm. Individually mounted intercoolers shall be utilized after each stage of compression and the aftercooler shall be designed to deliver final air at a temperature not to exceed 18 degrees F above ambient. Suction and delivery valves shall be designed in such a manner that they can be replaced without replacing the entire assembly. Valve inspection covers are to be provided on the first and second stage cylinders. Relief valves shall be utilized after each stage of compression.

The pressure lubrication system shall include an oil pump to supply metered quantities of lubricant directly to the fourth stage piston through a regulator and replaceable spin-off type, full flow filter. The oil pump shall be directly driven off of the crankshaft. Belt driven pumps shall not be acceptable. An oil level sight glass shall be provided for checking the crankcase oil level.

The compressor system shall have a moisture separator after every stage of compression. An automatic drain system shall be supplied to periodically discharge accumulated condensation from each moisture separator during operation and whenever the unit shuts down.

Compressor systems requiring cool down or (unloaded running periods) and those that require auxiliary cooling fans are not acceptable. The compressor system must be rated for continuous operation with no intermittent duty cycles.

The compressor manufacturer shall have an ISO 9001 quality management system standard approval on the design and manufacture process.

<u>Compressor Enclosure</u>: The breathing air module shall be fully enclosed with solid steel panels, minimum thickness 14 gauge. All sections of the compressor enclosure shall be lined with sound absorbing material.

An air ducting system that allows against-the-wall installation by drawing cooling air from below the unit and directing it upwards and away from the operator and control panel shall be provided.

Insulated and gasketed maintenance access doors equipped with quarter turn latches shall be located on both sides and in front of the compressor system. These latches shall be designed to draw the access doors into the frame opening. Male-female hinges on side doors shall be used to allow their fast and easy removal without requiring hand tools. The underside of the cabinet shall be grated to prevent debris from entering the compressor compartment.

<u>Auto Drain Muffler/Reservoir:</u> An automatic drain muffler/reservoir system, manufactured of 14 gauge steel, shall be incorporated into the package. The reservoir shall be designed to capture discharged condensation without the need for piping to the outside and to reduce the discharge noise level. A conveniently located valve shall be supplied on the outside of the cabinet to periodically drain the condensate accumulated in the muffler/reservoir at atmospheric pressure.

<u>Electric Motor:</u> NEMA designed B, 2-pole, 10 horsepower, open drip proof motor shall be furnished for 1 phase, 210/220 volts. The motor shall be suspended underneath the compressor baseplate. This baseplate shall incorporate rubber shock mounts, which isolates vibration from the rest of the cabinet. The V-belt drive shall be guarded to meet OSHA requirements.

<u>Purification System:</u> The purification system and replacement filter cartridges shall be manufactured by the same company as the compressor package. The system shall be a multi-chamber arrangement each constructed of 7075T6 aluminum alloy with a tensile strength of 83,000 psi and designed for 6000 psi working pressure with a 4 to 1 safety factor. The first chamber shall be a mechanical separator to eliminate oil and water. Subsequent chambers shall utilize replaceable filter cartridges constructed of high strength, non-corrosive FDA grade polycarbonate plastic.

Non-corrosive stainless steel springs and spin welded end caps shall be incorporated within the cartridge boundary. The cartridges shall be designed to remove water vapor, hydrocarbons, noxious gases, taste and odors.

Systems requiring depressurization to check filter condition shall not be acceptable. Carbon monoxide shall also be eliminated by catalytic oxidation. The purification system shall process 34,200 cf (with a 700 F inlet temperature) before cartridge replacement. The air delivered shall meet CGA grade D & E and NFPA 1989 (2019 edition) air quality standards. <u>Control System</u>: The unit shall include all necessary controls to assure efficient operation and monitor compressor performance. All necessary electric motor controls shall also be included and rated for NEMA class 12. As a minimum, the control system shall include the following:

- Air pressure switch to automatically start and stop the unit in order to maintain system pressure.

- High air temperature shutdown.
- Direct online IEC starter package with a 24 volt control voltage.
- PLC controller.
- Illuminated power "on" switch.
- Independent "start" and "stop" push button switches.
- Emergency stop button.
- Low oil pressure switch.

<u>Instrumentation:</u> The unit shall include all necessary gauges and lights necessary to indicate all normal and shutdown conditions. All gauges, lights and indicators shall be mounted on a steel control panel centrally located on the front of the unit and also within the cabinet.

As a minimum, the instrumentation panels shall include the following:

- Compressor interstage and final air pressure gauges.
- Hour meter.
- High air pressure shutdown light.
- High air temperature shutdown light.
- Low oil pressure light

#### Carbon Monoxide Monitoring System:

The CO monitor shall be mounted on the compressor operations panel.

- Shall be piped into the air flow downstream of the purification system
- Shall be tamper-resistant requiring a keystroke sequence to access monitor controls.
- Must have a warning light, audible alarm & shutdown for high concentrations of CO.

- Shall reliably detect CO concentrations from 0 to 10 ppm. A digital readout shall continuously indicate the amount of CO in the compressed breathing air.
- Must be capable of adjustment at any point on the monitor between 5 to 10 ppm for shutdown.
- The unit shall automatically go through the calibration process every 90 days.
- Ship-loose CO Calibration kit complete with test gas valve/regulators, test gas cylinder clamps, tubing, & tubing quick disconnects.
- The system shall come complete with solenoids to control system calibration.

#### Sales Specifications Enclosed Containment Fill Station Model SSCFS2-4HP – or comparable

The fill station shall be designed for stationary applications. The complete system shall not exceed the following dimensions 31.5"(W) X 36.5"(D) X 69.5"(H)

The unit shall be totally enclosed, constructed of <sup>1</sup>/<sub>4</sub> inch plate steel and designed to contain an SCBA or SCUBA cylinder and metal fragments in the event of rupture during the filling process. The fill station shall be designed to vent rapidly expanding air away from the operator.

The fill station shall be ergonomically designed to allow the filling of two (2) SCBA or SCUBA bottles (120 cubic foot) either separately or simultaneously. The maximum length of the SCBA or SCUBA bottle with the valve and fill adapter shall be 31 inches. Access to the enclosure for loading the SCBA cylinder shall be via a manually operated, tilt out door. The fill station door shall be provided with assisting devices to assure smooth operation and reduce operator fatigue. The fill station door shall be constructed of <sup>1</sup>/<sub>4</sub> inch plate steel. The SCBA cradle shall contain two (2) fill positions. Each fill position shall be lined with material to protect each SCBA or SCUBA cylinder from abrasion. The carriage shall be mounted on a pivoting system that will lower the cylinders to a near horizontal position and allow full access to all SCBA or SCUBA bottles, fill hoses and valve assemblies with minimal operator fatigue.

To ensure operator protection, a fully automatic safety interlock that prevents SCBA or SCUBA cylinder filling until the door is completely closed shall be provided. Two (2) fill hoses with SCBA or SCUBA adapters shall be provided and located within the enclosure. The fill hoses shall be protected by a safety relief valve set at 4700 psi.

The fill station shall be designed to fill the SCBA or SCUBA cylinders within the fill station boundary. The control panel shall include a 0 to 6000 psi adjustable regulator, regulated outlet pressure gauge, one (1) SCBA fill valve and bottle pressure gauge.

A painted steel fill panel affixed with a silk screen overlay shall be mounted on the front of the unit. The overlay shall contain an embedded airflow schematic. The fill station shall be designed to cascade the air storage system. The control panel shall include pressure gauges and flow control valves for four (4) storage banks. Piping shall be arranged to permit each bank to be filled or drawn down independently of other banks. This allows the operator to

draw air from one bank to fill SCBA's, while simultaneously refilling another bank from the compressor. A bypass valve shall be supplied to permit direct use of the compressor, bypassing the storage system. A regulated auxiliary fill outlet, complete with a valve and high pressure coupler with mate shall be standard.

The fill station shall be built and tested to conform to NFPA 1901 and the recommendations in NFPA 1500. A copy of a signed certificate, by an accredited professional engineer and a third party witness, shall be provided stating that a prototype fill station has been successfully tested to contain a ruptured 100 cubic foot cylinder pressurized to no less than 6100 psig and that the fill chamber safely vented the expanding air.

<u>Auto cascade control:</u> For simplicity and ease of operation, a pneumatically controlled automatic priority fill system shall be provided for \_4\_ air storage banks. The system shall optimize the filling process by permitting the storage system to directly fill the SCBA cylinders through an automatic sequencing valve network. The filling sequence will operate successively starting with the lowest pressure bank and progressing to the next highest pressure bank until the SCBA cylinders are filled. The system shall be flexible enough to utilize the compressor for cylinder top off if there is insufficient pressure in the storage banks. This design shall perform all cascade functions and reduce the possibility of operator confusion. When the filling sequence is complete the compressor shall automatically refill each storage bank successively starting with the highest pressure cylinder bank first and ending with the lowest pressure cylinder. A manual bypass valve shall be supplied to permit direct use of the compressor, bypassing the air storage system. An auxiliary outlet, complete with a valve and quick disconnect fitting, shall be supplied as standard.

#### Sales Specifications <u>Air Storage System</u> <u>Model TM6004 – or comparable</u>

The breathing air storage system shall include the number and type of cylinders specified below, wall mounted vertical inline. The system shall include all fittings, interconnecting piping, valves and hardware necessary to operate as a cascade system and meet all current DOT, TC, and ISO 9809 code requirements.

<u>UN system</u> - The breathing air storage system shall consist of four (4) UN storage cylinders that are currently in place at the OBTFPD station, each with a minimum capacity of 509 cubic feet of air at 6000 psig. The (4) storage cylinders will be supplied and mounted accordingly by the OBTFPD. The (4) storage cylinders (6000psi) shall not be included in the bid.

## **Installation Specification**

#### **DELIVERY AND INSTALLATION:**

- Delivery to Oakbrook Terrace FPD
- Sole authorized public safety distributor on/for the Breathing Air Cascade System
- Disconnect and remove existing system
- The Breathing Air Cascade System shall fit in the location of the existing Cascade System
- Install all system components for turn-key operation

#### Service / Maintenance / Testing / Repairs and Warranty Specification

#### SERVICE, MAINTENANCE, TESTING, REPAIRS and WARRANTY:

- Vendor shall be a sole authorized public safety distributor, new unit sales, OEM spare parts, warranty / service for the Breathing Air Cascade system. They must also be available to provide 24 hour emergency service and able to respond to location within 3-5 hours.

- Vendor must be a sole authorized public safety distributor to have capability of providing recommended complex repairs, service, maintenance, testing, air quality testing, warranty without using a 3<sup>rd</sup> party vendor. They must also be able to provide a loaner compressor and components available in extreme emergency circumstances.

# **BID FORM**

# OAKBROOK TERRACE FIRE PROTECTION DISTRICT Cascade System Purchase Bid

# A. ACKNOWLEDGMENT

By its signature below, the Bidder acknowledges it has received a complete set of Specifications and understands that meaning of their content, and shall willingly comply with the guidelines set forth in these documents. The Bid Documents are composed of the following documents, which the Bidder acknowledges it has received in full:

- Letter to Bidder
- Advertisement for Bid
- General Conditions for All Bids
- Bid Specifications
- Bid Form
- Proposal
- Addendum
- Vendor's Certification of Eligibility

If any of the above documents have been omitted, please contact the OAKBROOK TERRACE FIRE PROTECTION DISTRICT immediately to receive replacements for the missing documents.

## **B. PRIMARY PROPOSAL**

The undersigned has carefully examined the General Conditions and All Bids, the Terms and Conditions for this bid, insurance requirements, Specifications, and Bid Form and proposes to provide the various types of equipment, supplies or materials in accordance with this bid and all attachments and exhibits for the following lump sum:

The total sum of \$\_\_\_\_\_

# C. AFFIDAVIT OF EXPERIENCE

STATE OF	)		
COUNTY OF	) SS _)		
	, being duly sworn,	says that he/she is	
	of		
(Sole Owner, Member of Firm, Corporate Official)		(Individual, Firm, Corporate Name)	
which has done work for th	e following parties of or the	e general kind and a	approximate magnitude
required under this Contrac	ct. I/we hereby authorize th	ne Oakbrook Terrac	e Fire Protection District to
contact the individuals liste	d below.		
Product Name	<u>Contact</u>	Phone #	Completion Date
			·
	-		

(Signature)

# D. CERTIFICATIONS AND SIGNATURE

The undersigned has checked the plan(s), specifications and the above figures and understands that he shall be responsible for any errors or omissions based upon these specifications as submitted on the Bid Offer Form.

It is understood and agreed that the OAKBROOK TERRACE FIRE PROTECTION DISTRICT reserves the right to accept or reject any or all bids and to waive any formality in any bid received.

The undersigned further declares that this bid is made without any connection with any person making another bid for the same contract, that the bid is in all respects fair and without collusion or fraud, that no member of the OAKBROOK TERRACE FIRE PROTECTION DISTRICT Board of Trustees or other officer of the OAKBROOK TERRACE FIRE PROTECTION DISTRICT, or any person in the employ of the OAKBROOK TERRACE FIRE PROTECTION DISTRICT is directly or indirectly interested in this bid, or in any portion of the profits thereof.

Name of Person or Entity submitting this Bid		
Street Address		
City	State	Zip
Telephone Number	Fax Number	
Bid Form is not valid unless properly signed:		

SIGNATURE

Date

# E. VENDOR'S CERTIFICATION OF ELIGIBILITY

Certification under 720 ILCS 5/33E-11: Compliance with 720 ILCS 5/33E-11:

I, \_\_\_\_\_\_ (name), certify that I am employed as the \_\_\_\_\_\_ (title) of \_\_\_\_\_\_ (INSERT NAME OF BIDDER), and I hereby certify that I am authorized to make this certificate and that I have personal knowledge of the matters certified to herein, and that the company named above is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 2012.

Firm Name

By: \_\_\_\_ Name/Title

Signature

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_.

Notary Public