



CITY OF O'FALLON, MISSOURI

PURCHASING DEPARTMENT

100 North Main Street

O'Fallon, MO 63366

T: (636) 379-5527

FURNISH AND DELIVER BID

INVITATION TO BID:	22-032	BID ISSUE DATE:	03/04/2022
BID DESCRIPTION:	COMMERCIAL DRONE SYSTEM		
BID OPENING DATE:	03/23/2022	BID OPENING TIME:	2:00 P.M. CST
COPIES REQUIRED:	1 ORIGINAL	BID BOND REQUIRED:	NO

BID RESPONSES MUST BE RECEIVED AND TIME STAMPED NO LATER THAN THE PUBLIC BID OPENING DATE AND TIME (LOCAL TIME) SPECIFIED ABOVE. BIDS WILL BE OPENED AND READ ALOUD AT THAT TIME IN THE COUNCILMEN'S CONFERENCE ROOM ON THE FIRST FLOOR OF THE MUNICIPAL CENTER. LATE BIDS WILL NOT BE OPENED OR CONSIDERED.

TO ALL PROSPECTIVE BIDDERS:

You are hereby invited to submit your bid for the item(s) to be furnished and delivered, shipped F.O.B. delivered, to the address specified herein on the forms supplied. **Do not staple or submit bid in any type of binder**; binder clips are acceptable.

The original bid, along with the bid bond (if applicable), must be received in a sealed envelope that has your company name and address in the upper left corner and the attached label filled in and pasted on the lower left corner.

All bids are subject to staff analysis. The City of O'Fallon, Missouri reserves the right to accept or reject any and all bids received and waive any and all technicalities.

QUESTIONS SHOULD BE SUBMITTED IN WRITING VIA E-MAIL BY 12:00 P.M. on <u>03/10/2022</u> TO THE PURCHASING AGENT. QUESTIONS WILL ONLY BE ANSWERED VIA ADDENDUM BY END OF DAY ON 03/14/2022. Addendum information is available over the Internet at www.ofallon.mo.us . We strongly suggest that you check for any addenda a minimum forty-eight hours (48) in advance of the bid deadline.	PURCHASING AGENT: JULIE MOELLERING	
	PHONE: E-MAIL:	636.379.5527 jmoellering@ofallon.mo.us

BIDS MUST BE DELIVERED AND TIME STAMPED, PRIOR TO THE PUBLIC BID OPENING DATE AND TIME, TO:	CITY OF O'FALLON ATTN: JULIE MOELLERING, PURCHASING AGENT 100 NORTH MAIN STREET O'FALLON, MO 63366
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FULL NAME OF BIDDER	
BID CONTACT PERSON	
TELEPHONE NUMBER	

FACSIMILE AND/OR E-MAIL TRANSMITTED BIDS WILL NOT BE ACCEPTED

CITY OF O'FALLON, MISSOURI

INSTRUCTIONS TO BIDDERS

BID REQUIREMENTS:

The City of O'Fallon, Missouri (the "City") **requires** all bids be submitted on the blank bid form furnished with these contract documents and shall conform to the terms and conditions set forth in the "Instructions to Bidders", "General Conditions" and "Special Conditions" of the contract. Please make and retain a copy of this bid for your records. The bid must be enclosed in a sealed envelope bearing the bid number and the printed title of the bid. Bidders must sign, in ink, the bid form and all other documents where indicated.

Where applicable, the Bidder shall furnish with the bid, one set of all available literature pertaining to the equipment and/or material to be furnished under the bid.

Bidder shall acknowledge receipt of each addendum issued in the space provided on the bid form.

The total price quoted by the Bidder must be the total cost delivered to the location(s) stated in the "Special Conditions" or "Specifications". Bidder must not qualify his bid by stating a F.O.B. location other than such stated location(s).

In the specifications, whenever an article or material is defined by brand name, the name and catalog number of a particular manufacturer, vendor or a limited description, the term "OR APPROVED EQUAL" is written. Any reference to a particular manufacturer's product either by brand name or limited description is only for purposes of setting a standard of performance, quality, composition, construction or size. If there is any deviation in the pack, source, quality, etc., of an item bid, from that prescribed in the specifications, the appropriate line in the specifications will be ruled out and the substitution clearly indicated.

However, if "OR APPROVED EQUAL" is not written and you cannot bid the specified item, the Bidder may submit an alternate bid. The City will consider the bids covering the specified article or material first.

The City, for cost effective measures, standardizes on specific items; those bids will contain the language "no substitution," and any alternative will not be considered.

ALTERNATE/EQUAL BIDS:

The City recognizes the expertise provided by many bidders and encourages creativity in bidding. Alternates may be considered if the bid submitted clearly indicates what will be furnished and how it will benefit the City. Alternates will be compared to the lowest responsive, responsible bid as specified.

The City reserves the right to approve any material the Bidder proposes to furnish which contains variations from specification requirements but which may substantially comply.

BONDS:

No bonds are required to be submitted with this bid.

CONTRACT AWARD INFORMATION:

Award notification will be sent to the vendor receiving the award via mail or fax.

Response summaries will be available at www.ofallon.mo.us under Bid Opportunities. This summary of information will include bids that were delivered by the required bid opening date and time.

CITY OF O'FALLON, MISSOURI

CONTRACT DOCUMENT COMPONENT PARTS:

The contract documents herein named include all of the following component parts, all of which are fully a part of this contract as if herein set out verbatim, or, if not attached, as if hereto attached.

- 1) Instructions to Bidders
- 2) General Conditions
- 3) Special Conditions
- 4) Bid Form
- 5) References
- 6) Specifications
- 7) Pricing/Signatures
- 8) Any and all addenda to the foregoing

All documents are or will be on file in the office of the City Clerk, City of O'Fallon, MO, 100 North Main, O'Fallon, MO 63366.

DEVIATIONS AND EXCEPTIONS:

Deviations and exceptions shall be described fully, on the Bidder's letterhead, signed, and attached to the Bid Form. In the absence of such statement, the bid shall be considered as if submitted in strict compliance with all terms, conditions, and specifications; the Bidder shall be held liable. Bidders are cautioned to avoid making deviations and exceptions to the specifications, which may result in rejection of their bid.

EXAMINATION BY BIDDER:

The Bidder shall, before submitting his bid, carefully examine the bid, specifications and contract documents.

If his bid is accepted, he will be responsible for all errors in his bid resulting from his failure or neglect to comply with these instructions.

Unless otherwise provided in the SPECIAL CONDITIONS, when the specifications include information pertaining to preliminary investigations made by the City, such information represents only the opinion of the City as to the location, character or quantity of the materials encountered. That information is only included for the convenience of the Contractor. The City assumes no responsibility whatsoever with respect to the sufficiency or accuracy of the information.

FACSIMILE/E-MAIL TRANSMITTALS:

Facsimile and/or e-mail transmitted bids will not be accepted by the City.

INDEMNITY:

The Contractor shall, at all times, fully indemnify, hold harmless, and defend the City and its officers, members, agents, and employees from and against any and all claims and demands, actions, causes of action, and cost and fees of any character whatsoever made by anyone whomsoever on account of or in any way growing out of the performance of this contract by the Contractor and its employees, or because of any act or omission, neglect or misconduct of the Contractor, its employees and agents or its subcontractors including, but not limited to, any claims that may be made by the employees themselves for injuries to their person or property or otherwise.

Such indemnity shall not be limited by reason of the enumeration of any insurance coverage herein provided.

Nothing contained herein shall be construed as prohibiting the City, its directors, officers, agents, or its employees, from defending through the selection and use of their own agents, attorneys and experts, any claims, actions or suits brought against them.

The Contractor shall likewise be liable for the cost, fees and expenses incurred in the City's or the Contractor's defense of any such claims, actions, or suits.

CITY OF O'FALLON, MISSOURI

INTERPRETATION OF CONTRACT DOCUMENTS:

If a potential Bidder is uncertain as to the meaning of any part of the specifications or other contract documents, the bidder is expected to submit questions to the Purchasing Agent. The Purchasing Agent is the point of contact for this bid. All communications regarding this bid packet must be directed to the Purchasing Agent. All contact with the City should be channeled through the Purchasing Agent. No contact with other City employees, officials, or City Council members is to be made by responding proposers throughout the entire process.

If a question can be answered by directing the questioner to a specific section of the bid packet, then the Purchasing Agent may answer the question over the telephone. Other questions may be more complex and may require a written amendment to the specifications. The Purchasing Agent will make this determination. Oral communication is considered unofficial and non-binding on the City. If an amendment to the specifications is issued, it will be provided to all offerors that were issued a copy of the bid packet and to those that have requested a copy of the bid packet from the Purchasing Agent.

Julie Moellering, Purchasing Agent
E-mail: jmoellering@ofallon.mo.us

Only questions answered by formal written addenda will be binding. Oral and interpretations or clarifications will be without legal affect.

PREPARATION OF BIDS:

The Bidder shall return his bid on the attached bid forms. **Bids must be returned with all pages intact.** Please make and retain a copy of this bid for your records. Unless otherwise stated, all blank spaces on the bid page or pages, applicable to the subject specification, shall be correctly filled in. Either a unit price or a lump sum price, or both as the case may be, shall be stated for each and every item, either typed in or printed in ink, in figures, and if required in words. Bidder shall acknowledge receipt of each addendum issued in the space provided on the bid form.

All prices quoted by the Bidder shall be F.O.B. delivered and shall include any and all freight costs to the delivery location(s) specified. The Bidder must not qualify the bid by stating F.O.B. a location other than such stated location(s).

When a bid consists of a number of items, prices must be submitted for all items, unless otherwise directed in the Special Conditions.

Where unit prices are to be bid, and/or where bids are to be made on more than one item, the Bidder shall extend the unit price(s) bid in the places provided on the pricing pages for the approximate quantities, shall compute the total amount of the bid and shall indicate same on the bid page. The Bidder must bid in accordance with the unit(s) of measure called for. If an item is listed by each, the bid price must be entered by each, not dozen or hundred. All extensions and total sums are subject to verification by the City and the correct extensions and sums will be used in the comparison of bids.

Where unit prices are requested, the quantities stated are approximate only. The quantities for all items on which bids are to be received on a unit price basis, will not be used in establishing final payment due the Contractor. Bids will be compared on the basis of number of units stated in the Bid Pricing Section. Contract payment for unit price items will be based on the actual number of units installed in the completed work within the proposed scope of work.

All extensions and total sums are subject to verification by the City and the correct extensions and sums will be used in the comparison of bids. If a discrepancy exists between the unit prices and totals, the unit prices shall prevail. If a discrepancy exists between the total base bid and the true sum of the individual bid items, the true sum shall prevail.

In certain cases, amounts are to be shown in both words and figures. When discrepancies occur between the "Written in Words" and the "In Figures" amounts for the total lump sum bid amount, the "Written in Words" shall govern.

CITY OF O'FALLON, MISSOURI

Bidders are warned against making any erasures or alterations of any kind, and bids, that contain omissions, erasures, conditions, alterations, or additions not called for may be rejected. The bidder must fill in all blanks. Use "N/A" or "None" where applicable.

The bid shall be signed by a company officer empowered to bind the company. Failure to sign the bid may cause the bid to be determined to be non-responsive and the bid may be rejected.

SUBMISSION OF BIDS:

All bids must be received in sealed envelopes that have your name and address in the UPPER left corner and the attached label filled in and pasted on the LOWER left corner.

Bids mailed "EXPRESS MAIL" must have bid number and due date on the outside of the EXPRESS MAIL envelope.

The Bidder shall be responsible for delivery of bids to the Purchasing Agent before the date and hour set for the opening of bids. The City assumes no responsibility for delays caused by any delivery service. Postmarking by due date will not substitute for actual receipt by the City. Late bids will not be opened or considered.

END OF INSTRUCTIONS TO BIDDERS

GENERAL CONDITIONS

ADDENDUM AND SUPPLEMENT TO REQUEST:

If it becomes necessary to revise any part of this request or if additional data is necessary to enable the exact interpretation of provisions of this request, revisions will be provided in the form of an Addendum. If revisions are necessary after any mandatory Pre-Bid conference, the revisions will be provided only to those Contractors who will have attended the Pre-Bid conference.

CHANGES:

All changes to this Bid Document shall be amended in written form (Addenda). The Purchasing Agent prior to the scheduled bid opening shall issue such amendments.

The City reserves the right to make any desired change in the specifications after the same shall have been put under contract; but the change so made, with the price to be added or deducted from the contract price, therefore, shall be agreed upon in advance between City and the successful Contractor.

The City shall issue to the successful Contractor a written change order to the original contract; such change orders shall be binding upon both parties thereto and shall in no way invalidate or make void the terms of the original contract not modified by such change.

No claim based on oral changes will be allowed.

CONTRACTOR PERFORMANCE:

The Instructions to Bidders, Bid Form, General Conditions, Special Conditions, contract specifications and attached exhibits shall together constitute the Contract. The Contractor hereby asserts that it has read the specifications, and that it is thoroughly informed and familiar as to their contents and requirements. All items shall be supplied in strict accordance with the specifications. The Contractor's performance under the terms of this Contract shall be to the satisfaction of the City.

DISCLAIMER:

RESERVED BY OWNER

The City reserves the right to reject any or all bids failing to meet the City's specifications or requirements and to waive technicalities. If in the City's opinion, the lowest bid is not the most responsible bid, considering value received for monies expended, the right is reserved to make awards as determined solely by the judgment of the City. In determining the lowest responsible bidder, the City shall take into consideration the qualities of the articles supplied, their conformity with the specifications, and their suitability to the requirements of the City and the delivery terms. Intangible factors, such as the Contractor's reputation and past performance, will also be weighed.

The Contractor's failure to meet the mandatory requirements will result in the disqualification of the Contractor's bid from further considerations.

The City further reserves the right to reject all bids and obtain goods or services through intergovernmental or cooperative agreements.

Submission of a bid confers no rights on the Contractor to a selection or to a subsequent contract. This Invitation to Bid process is for the City's benefit only and is intended to provide the City with competitive information to assist in selection of services. All decisions on compliance, evaluation, terms and conditions shall be made solely at the City's discretion and shall be made to favor the City.

DRUG FREE WORKPLACE:

The Contractor (whether an individual or company) agrees to provide a drug free workplace.

ENDORSEMENTS:

Contractor shall not use the City in any form of endorsement to any third-party without the Buyer's written permission.

CITY OF O'FALLON, MISSOURI

EXECUTION OF CONTRACT:

The bidder to whom the contract has been awarded shall sign one (1) copy of the contract and return it to the City within seven (7) calendar days after receipt of the contract. Failure to execute the contract and return it to the City within seven (7) calendar days after receipt of the contract shall be cause for the annulment of the contract award and the forfeiture of the bid security to the City.

If circumstances beyond the Contractor's control prohibit a timely execution of this contract, prior written approval must be requested by the Contractor and receive approval from the City for an extension to the delivery date.

SAFETY DATA SHEETS:

If applicable, Contractor shall furnish and submit, to the City, Safety Data Sheets for their products upon award of Contract.

F.O.B.:

All goods are to be shipped prepaid, F.O.B. destination. Shipments sent C.O.D. without City's written consent will not be accepted and will at Contractor's risk and expense, be returned to Contractor. Unauthorized shipments are subject to rejection and return at Contractor's expense.

HOLDING OF BIDS:

Contractor may withdraw their bids at any time prior to the time specified as the closing time for the receipt of bids. However, no Contractor shall withdraw or cancel his bid for a period of ninety (90) calendar days after said closing time for the receipt of bids.

LAW GOVERNING:

All State of Missouri and/or Federal Laws shall be hereby specifically made a part of this contract as set forth herein.

LIENS, CLAIMS, AND ENCUMBRANCES:

Contractor warrants and represents that all the goods and materials ordered herein are free and clear of all liens, claims, or encumbrances of any kind.

MISCELLANEOUS REQUIREMENTS:

The City will not be responsible for any expenses incurred by the Contractor in preparing and submitting a Bid. All Bids shall provide a straightforward, concise delineation of your capabilities to satisfy the requirements of this request. Emphasis should be on completeness and clarity of content.

The Contractor is prohibited from assigning, transferring, conveying, subletting, or otherwise disposing of this agreement or its rights, title of interest therein or its power to execute such agreement to any other person, company or corporation without the previous consent and approval in writing by the City.

NON-DISCRIMINATING:

The Contractor, its employees and subcontractors, agree not to commit unlawful discrimination and agree to comply with applicable provisions of the, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

Firm shall comply with Section 285.525 – 285.550 RSMo regarding enrollment in a federal work authorization program. **A signed, notarized affidavit (attached) and supporting documentation affirming enrollment in a federal work authorization program must be submitted with proposal. Failure to comply with this provision may result in rejection of proposal.**

E-VERIFY:

Company shall be E-verify compliant and shall provide documentation to support this requirement within the proposal including the memorandum of understanding (MOU) and the electronic signature page completed in its entirety.

NON-EXCLUSIVITY:

Nothing herein is intended nor shall be construed as creating any exclusive arrangement with Vendor.

CITY OF O'FALLON, MISSOURI

PATENTS:

Contractor undertakes and agrees to defend at Contractor's own expense, all suits, actions, or proceedings against buyer, in which City, and of Contractor's suppliers, contractors, distributors or dealers, or the users of any of Contractor's products are made defendants for actual or alleged infringement of any U.S. or foreign letters patent resulting from the use or sale of the items purchased hereunder. Contractor shall inform the City whenever infringement will result from Contractor's adherence to specifications supplied by the City or by an authorized City Representative. Contractor further agrees to pay and discharge any and all judgments or decrees, which may be rendered in any such suit, action or proceedings against City therein.

PAYMENT:

The goal of the City is to pay properly submitted Contractor invoices within thirty (30) days of receipt, providing goods have been delivered, approved, and accepted by an authorized City Representative. Original invoices must be presented for payment in accordance with instructions contained on the Purchase Order including reference to Purchase Order number and submitted to the correct address for processing.

TAX:

The City is not responsible for and will not pay local, Federal Excise Tax or Missouri Sales Tax. A copy of the exemption letter is available upon written request.

TERMS/CANCELLATION AND DAMAGES:

This contract may be terminated by either or both parties upon thirty (30) days written notice or upon mutual agreement of both parties.

If the City because of the Contractor's breach terminates this Contract, the City shall have the right to purchase equipment elsewhere and to charge the Contractor with any additional cost incurred.

Notwithstanding the above, the Contractor shall not be relieved of any liability to the City for damages sustained by the City by virtue of any breach of this contract by the Contractor and the City may withhold any payments to the Contractor until such time as the amount of such damages due the City from the Contractor shall be determined.

TRANSFER OF OWNERSHIP OR ASSIGNMENT:

The terms and conditions of this contract shall be binding upon and shall enure to the benefit of the parties hereto and their respective successors and assigns.

Prior to any sales or assignments the City must be notified and approve same in writing. The City shall have right of first refusal.

END OF GENERAL CONDITIONS

SPECIAL CONDITIONS

DELIVERY REQUIREMENTS:

In this contract, time is of the essence. All freight and delivery charges are to be included in the costs entered on the bid pricing page. Under no circumstances will the City be liable for additional delivery charges.

The successful bidder's performance under the terms and conditions of this contract shall be satisfactory to the City.

All deliveries shall be made between the hours of 8:00 a.m. and 3:00 p.m. unless other arrangements have been made.

PRICING:

The pricing stated by the bidder in the bid documents shall remain firm for a one (1) year period from the start date of the contract. No price increases will be allowed for the duration of the contract. Price decreases are allowed at any time.

END OF SPECIAL CONDITIONS

INSURANCE REQUIREMENTS

GENERAL:

The Vendor shall respond to these specifications as an independent contractor and not as an employee of the City of O'Fallon. An original Certificate of Insurance from the company or authorized agent of record must be furnished to the City, provide that the City of O'Fallon is an "Additional Insured" on the Vendor's Commercial General Liability policy during the Term of the Agreement, and a copy of such "Additional Insured" endorsement must accompany the insurance certificate. This requirement of insurance does not limit the Vendor's liability under the Agreement in any manner.

WORKER'S COMPENSATION INSURANCE:

The Vendor shall procure and shall maintain during the Term of the Agreement, Worker's Compensation Insurance for all of its employees to be engaged and perform work under the Agreement, and in case such work is sublet, the Concessionaire shall require the subcontractor similarly to provide Worker's Compensation Insurance for all such employees to be engaged by the Vendor for such work unless such employees are covered by the protection afforded by the Vendor's Worker's Compensation Insurance. In the event any class of employees engaged in hazardous work under the Agreement is not protected under the Worker's Compensation statute, the Vendor shall provide and shall cause such subcontractor to provide adequate Employer's Liability insurance for the protection of its employees not otherwise protected.

Commercial General Liability Insurance:

The Vendor shall carry public and property damage insurance which shall include bodily injury and accidental death to any person and subject at the minimum limits set forth below:

Liability Limits	\$1,000,000/Per Occurrence
	\$3,000,000/General Aggregate
	\$3,000,000 Products/Completed Operations aggregate
	Additional Insured status must be provided to the City and confirmed by copy of such endorsement.
	An umbrella/excess liability policy can be used to attain the required limits.

Commercial Automobile Liability Insurance:

The Vendor shall maintain Commercial Automobile Liability Insurance Coverage in the amounts not less than the minimum limits set forth below:

Bodily Injury and Property Damage	\$3,000,000 Combined Single Liability Limit
	An umbrella/excess liability policy can be used to attain the required limits.

CHANGES IN INSURANCE COVERAGE:

The Contractor shall notify the City of changes in insurance coverage in writing within thirty (30) days.

INDEMNITY:

The Contractor shall, at all times, fully indemnify, hold harmless, and defend the City and its officers, members, agents, and employees from and against any and all claims and demands, actions, causes of action, and cost and fees of any character whatsoever made by anyone whomsoever on account of or in any way growing out of the performance of this contract by the Contractor and its employees, or because of any act or omission, neglect or misconduct of the Contractor, its employees and agents or its subcontractors including, but not limited to, any claims that may be made by the employees themselves for injuries to their person or property or otherwise. Such indemnity shall not be limited by reason of the enumeration of any insurance coverage herein provided.

Nothing contained herein shall be construed as prohibiting the City, its directors, officers, agents, or its employees, from defending through the selection and use of their own agents, attorneys and experts, any claims, actions or suits brought against them.

The Contractor shall likewise be liable for the cost, fees and expenses incurred in the City's or the Contractor's defense of any such claims, actions, or suits.

The Contractor shall be responsible for any damages incurred as a result of its errors, omissions or negligent acts and for any losses or costs to repair or remedy construction as a result of its errors, omissions or negligent acts.

CITY OF O'FALLON, MISSOURI

INSURANCE RATING:

All of the above-specified types of insurance shall be obtained from companies that have at least an A-VII rating in Best's Guide or the equivalent.

SURVIVAL OF INDEMNIFICATION:

The indemnification described above shall not be limited by reason of the enumeration of any insurance coverage herein provided, and it shall survive the termination of the Contract for claims arising from events occurring while the Contract is in force.

NOTICE OF LAWSUIT:

Within sixty (60) days of service of process, the City shall notify the Contractor of any lawsuit involving the indemnification provided for above. Failure to provide such notice shall not relieve the Contractor of its obligation to provide indemnification. However, the City shall be responsible for any additional costs of defense incurred due to their failure to provide such notice within sixty (60) days.

CHOICE OF LEGAL COUNSEL:

The contractor shall provide coverage as stipulated in the contract. In the event of a proceeding, the City retains the right to approve legal counsel for claims brought against the City.

DISPUTES:

Any dispute arising out of this agreement will be resolved under the laws of the State of Missouri.

END OF INSURANCE REQUIREMENTS

CITY OF O'FALLON, MISSOURI

**BID FORM
22-032 COMMERCIAL DRONE SYSTEM**

(PLEASE TYPE OR PRINT THE FOLLOWING INFORMATION)

Full Name of Bidder	
Main Business Address	
City, State, Zip Code	
Telephone Number	
Fax Number	
Bid Contact Person	
Email Address	

TO: Julie Moellering, Purchasing Agent

The undersigned, being duly sworn, certifies that he is:

the Owner/Sole Proprietor a Member of the Partnership an Officer of the Corporation a Member of the Joint Venture

herein after called the Bidder and that the members of the Partnership or Officers of the Corporation are as follows:

_____ (President or Partner)

_____ (Vice-President or Partner)

_____ (Secretary or Partner)

_____ (Treasurer or Partner)

Further, as Contractor, declares that the only person or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any other person, firm or corporation; that he has fully examined the proposed forms of agreement and the contract specifications for the above designated purchase, all of which are on file in the office of the City Clerk, 100 North Main Street, O'Fallon, Missouri 63366, and all other documents referred to or mentioned in the contract documents, specifications and attached exhibits, including Addenda No. _____, _____, and _____ issued thereto;

Further, the Contractor proposes and agrees, if this bid is accepted, to provide all necessary machinery, tools, apparatus and other means of construction, including transportation services necessary to furnish all the materials and equipment specified or referred to in the contract documents in the manner and time therein prescribed.

Further, the undersigned certifies and warrants that he is duly authorized to execute this certification/affidavit on behalf of the Bidder and in accordance with the Partnership Agreement or by-laws of the Corporation, and the laws of the State of Missouri and that this Certification is binding upon the Bidder and is true and accurate. Further, the undersigned certifies that the Bidder is not barred from bidding on this contract as a result of a violation of either bid rigging or bid-rotating.

The affiant deposes and says that he has examined and carefully prepared this bid and has checked the same in detail before submitting this bid, and that the statements contained herein are true and correct.

If a Corporation, the undersigned further certifies that the recitals and resolutions attached hereto and made a part hereof were properly adopted by the Board of Directors of the Corporation at a meeting of said Board of Directors duly called and held and have not been repealed, nor modified and that the same remain in full force and effect. *(Attach a copy of the corporate resolution granting the individual executing the contract documents authority to do so.)*

Finally, the Contractor agrees to do all other things required of the Contractor by the contract documents, and that he will take in full payment therefore the sums set forth in the bidding schedule.

Signature of Bidder authorizes the City to verify business references.

CITY OF O'FALLON, MISSOURI

SIGNATURE AND IDENTITY OF BIDDER

The undersigned states that the correct LEGAL NAME and ADDRESS of (1) the individual Bidder, (2) each partner or joint venture (whether individuals or corporations, and whether doing business under a fictitious name), or (3) the corporation (with the City in which it is incorporated) are shown below; that (if not signing with the intention of binding himself to become the responsible and sole contractor) he is the agent of, and duly authorized in writing to sign for the Bidder or Bidders; and that he is signing and executing this (as indicated in the proper spaces below) as the proposal of a

() sole individual () partnership () joint venture
() corporation, incorporated under laws of State of _____

Date Business Established: _____

Dated: _____

Name of individual, all partners,
or joint ventures:

Address of each:

doing business under the name of:

Address of principal place of business in Missouri

(If using a fictitious name, show
this name above in addition
to legal names)

(If a corporation, show its name above)
ATTEST: (SEAL)

Secretary

Title

(NOTE: If the Bidder is doing business under a FICTITIOUS NAME, the Proposal shall be executed in the legal name of the individual, partners, joint ventures, or corporation, with the legal address shown, and REGISTRATION OF FICTITIOUS NAME filed with the Secretary of State, as required by Sections 417.200 to 417.230, RS Mo. If the Bidder is a CORPORATION NOT ORGANIZED UNDER THE LAWS OF MISSOURI, it shall procure a CERTIFICATE OF AUTHORITY TO DO BUSINESS IN MISSOURI, as required by Section 351.570 and following, RS Mo. A CERTIFIED COPY of such Registration of Fictitious Name or Certificate of Authority to do Business in Missouri shall be included with this bid.

CITY OF O'FALLON, MISSOURI

REFERENCES

The bidder must list four (4) references, listing firm name, address, telephone number and contact person to whom they have provided similar equipment, material or services for a period of not less than six (6) months.

The bidder verifies that they have provided equipment, material, or services described in this contract to the following parties with needs similar to that of City and authorizes the City to verify references of business and credit at its option.

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

State the number of years in business _____ State the current number of personnel on staff _____

CITY OF O'FALLON, MISSOURI

ANTI-COLLUSION STATEMENT

STATE OF MISSOURI

CITY/COUNTY OF _____

_____ being first duly sworn, deposes and says that he is

Title of Person Signing

of _____

Name of Bidder

that all statements made and facts set out in the proposal for the above project are true and correct; and the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with said bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

BY _____

BY _____

BY _____

SWORN to before me this _____ day of _____ 20 ____.

Notary Public

My Commission Expires _____

CITY OF O'FALLON, MISSOURI

PREFERENCE IN PURCHASING PRODUCTS

DATE: _____

THE BIDDERS ATTENTION IS DIRECTED TO Section 34.076 RSMo 2000 which gives preference to Missouri corporations, firms, and individuals when letting contracts or purchasing products.

Bids received will be evaluated on the basis of this legislation.

All vendors submitting a bid must furnish all information requested below.

FOR CORPORATIONS:

State in which incorporated: _____

FOR OTHERS:

State of domicile: _____

FOR ALL VENDORS:

List address of Missouri offices or places of business:

THIS SECTION MUST BE COMPLETED AND SIGNED:

FIRM NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

BY (signature required): _____

Federal Tax ID #: _____ if no Federal Tax ID # list SS #: _____

For bid to be considered, the Preference in Purchasing Products form must be filled out and submitted for each bid and dated in the current calendar year.

CITY OF O'FALLON, MISSOURI

MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT

The bidder's attention is directed to the Missouri Domestic Products Procurement Act, Sections 34.350 to 34/359, RsMO, which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured or produced in the United States.

Section 34.355, RsMO, requires the vendor or contractor to certify his compliance with Section 34.353 and, if applicable, Section 34.359, RsMO, at the time of bidding **and** prior to payment. Failure to comply with Section 34.353, RsMO, during the performance of the contract **and** to provide certification of compliance prior to payment will result in nonpayment for those goods or commodities.

Section 34.353.2, RsMO, specifies that it does not apply where the total contract is less than Twenty-Five Thousand Dollars (\$25,000.00). If your total bid is Twenty-Five Thousand Dollars (\$25,000.00) or more, you **must** complete this form as directed below.

Failure to complete and return this document with this bid will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis. Please read the certification appearing below on this form.

If all the goods or products specified in the attached bid which the bidder proposes to supply to the State shall be manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left.

If only one item of any particular goods or products specified in the attached bid is manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left and list the items (or item number) here:

If any or all of the goods or products specified in the attached bid which the bidder proposes to supply to the State are **not** manufactured or produced in the "United States" as defined in Section 34.350, RsMO, then: (a) check the box at left; (b) list below, by item (or item number), the country other than the United States where each good or product is manufactured or produced; and (c) check the boxes to the left of the paragraphs below if applicable and list the corresponding items (or item numbers) in the spaces provided.

Item (or item number)	Location Where Item Manufactured or Produced

(attach an additional sheet if necessary)

The following specified goods or products cannot be manufactured or produced in the United States in sufficient quantities or in time to meet the contract specifications. Items (or item numbers): _____

The following specified goods or products must be treated as manufactured or produced in the United States, in accordance with an existing treaty, law, agreement, or regulation of the United States, including a treaty between the United States and any foreign country regarding export-import restrictions or international trade. Items (or item numbers): _____

CERTIFICATION

By submitting this document, completed as directed above, with a bid, the bidder certifies under penalty of making false declaration (Section 575.060, RsMO) that the information contained in this document is true, correct and complete, and may be relied upon by the City in determining the bidders qualifications under and in compliance with the Missouri Domestic Products Procurement Act. The bidder's failure to complete and return this document with the bid as directed above will cause the City to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis pursuant to Section 34.353.3(2), RsMO.

Specifications

The City of O'Fallon ("City"), MO is accepting sealed bids to furnish, deliver, and/or install a commercial grade drone system. The City intends to purchase two drone systems, however; the City reserves the right to change the number of drone systems and optional equipment requested until the order is placed.

Any manufacturers' names, trade names, brand names, information and/or catalog numbers listed in this specification are **descriptive, not restrictive**. The bidder may offer any product that meets or exceeds the applicable specifications. The bidder must demonstrate comparability, by including appropriate catalog materials, literature, specifications, test data, etc. The city may request a meeting to discuss comparability of products offered. The City will determine in its sole discretion whether a product is acceptable as an equivalent.

The drone systems described below are based on DJI Matrice 300 RTK and DJI Mavic 2 Enterprise Advanced systems, however; the city will consider and evaluate an equivalent make and model.

Customer Support:

The companies that provide a bid on the below listed or equivalent items must be able to provide 24/7 customer service support included in the sales package due to unexpected problems with the drones and/or their components. The city prefers to have the option of "in-person" onsite support, and "in-person" on-site training included with the sales package due to the complexity of the systems and their components, however; space is allotted on the pricing page for these to be added as an additional cost.

The successful bidder must deliver the drones to the following address. Pricing must include any delivery, shipping, and/or installation costs.

City of O'Fallon, MO
Police Department
1019 Bryan Road
O'Fallon, MO 63366

Each proposed drone system must meet the minimum requirements specified below:

A. DJI Matrice 300 RTK or equivalent:

Aircraft:

- Dimensions:
 - Unfolded, propellers excluded, 810x670x430 mm (LxWxH)
 - Folded, propellers included, 430x420x430 mm (LxWxH)
- Diagonal Wheelbase:
 - 895 mm
- Weight (with single downward gimbal):
 - Approx. 3.6 kg (without batteries)
 - Approx. 6.3 kg (with two TB60 batteries)
- Single Gimbal Damper's Max Payload:
 - 930g

CITY OF O'FALLON, MISSOURI

- Max Takeoff Weight:
 - 9 kg
- Operating Frequency:
 - 2.4000-2.4835 GHz
 - 5.725-5.850 GHz
- EIRP:
 - 2.4000-2.4835 GHz:
 - 29.5 dBm (FCC); 18.5dBm (CE)
 - 18.5 dBm (SRRC); 18.5dBm (MIC)
 - 5.725-5.850 GHz:
 - 28.5 dBm (FCC); 12.5dBm (CE)
 - 28.5 dBm (SRRC)
- Hovering Accuracy (P-mode with GPS):
 - Vertical:
 - ±0.1 m (Vision System enabled)
 - ±0.5 m (GPS enabled)
 - ±0.1 m (RTK enabled)
 - Horizontal:
 - ±0.3 m (Vision System enabled)
 - ±1.5 m (GPS enabled)
 - ±0.1 m (RTK enabled)
- RTK Positioning Accuracy:
 - When RTK enabled and fixed:
 - 1 cm+1 ppm (Horizontal)
 - 1.5 cm + 1 ppm (Vertical)
- Max Angular Velocity:
 - Pitch: 300°/s, Yaw: 100°/s
- Max Pitch Angle:
 - 30° (P-mode, Forward Vision System enabled: 25°)
- Max Ascent Speed:
 - S mode: 6 m/s
 - P mode : 5 m/s
- Max Descent Speed (vertical):
 - S mode: 5 m/s
 - P mode : 4 m/s
- Max Descent Speed (tilt):

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- S Mode: 7 m/s
- Max Speed:
 - S mode: 23 m/s
 - P mode : 17 m/s
- Service Ceiling Above Sea Level:
 - 5000 m (with 2110 propellers, takeoff weight \leq 7 kg) / 7000 m (with 2195 propellers, takeoff weight \leq 7 kg)
- Max Wind Resistance:
 - 15 m/s (12 m/s when taking off or landing)
- Max Flight Time:
 - 55 min
- Supported DJI Gimbals:
 - Zenmuse XT2/XT S/Z30/H20/H20T/DJI P1/DJI L1
- Supported Gimbal Configurations:
 - Single Downward Gimbal, Dual Downward Gimbals, Single Upward Gimbal, Upward and Downward Gimbals, Triple Gimbals
- Ingress Protection Rating:
 - IP45
- GNSS:
 - GPS+GLONASS+BeiDou+Galileo
- Operating Temperature:
 - 20°C to 50°C (-4°F to 122° F)

Remote Controller:

- Operating Frequency
 - 2.4000-2.4835 GHz
 - 5.725-5.850 GHz
- Max Transmitting Distance (unobstructed, free of interference)
 - NCC/FCC: 15 km
 - CE/MIC: 8 km
 - SRRC: 8 km
- EIRP
 - 2.4000-2.4835 GHz:
29.5 dBm (FCC) 18.5dBm (CE)
18.5 dBm (SRRC); 18.5dBm (MIC)
 - 5.725-5.850 GHz:
28.5 dBm (FCC); 12.5dBm (CE)
20.5 dBm (SRRC)
- External battery
 - Name: WB37 Intelligent Battery
 - Capacity: 4920 mAh

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- Voltage: 7.6V
- Type: LiPo
- Energy: 37.39Wh
- Charging time (using BS60 Intelligent Battery Station): 70 minutes (15°C to 45°C); 130 minutes (0°C to 15°C)
- Built-in battery
 - Type: 18650 lithium ion battery (5000 mAh @ 7.2 V)
 - Charging: Use a USB charger with specification of 12V / 2A
 - Rated power: 17 W
 - Charging time: 2 hours and 15 minutes (Using a USB charger with specification of 12V / 2A)
- Battery Life
 - Built-in battery: Approx. 2.5h
 - Built-in battery+External battery: Approx. 4.5h
- USB Power Supply
 - 5 V / 1.5 A
- Operating Temperature
 - -20°C to 40°C (-4 °F to 104 °F)

Vision System:

- Obstacle Sensing Range
 - Forward/Backward/Left/Right: 0.7-40m
 - Upward/Downward: 0.6-30m
- FOV
 - Forward/Backward/Downward: 65° (H), 50° (V)
 - Left/Right/Upward: 75°(H), 60°(V)
- Operating Environment
 - Surfaces with clear patterns and adequate lighting (> 15 lux)

Infrared ToF Sensing System:

- Obstacle Sensing Range
 - 0.1-8m
- FOV
 - 30° (±15°)
- Operating Environment
 - Large, diffuse and reflective obstacles (reflectivity >10%)

Top and bottom auxiliary light:

- Effective lighting distance
 - 5 m

FPV Camera:

- Resolution
 - 960p
- FOV
 - 145°

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- Frame rate
 - 30 fps

Intelligent Flight Battery:

- Name
 - TB60
- Capacity
 - 5935 mAh
- Voltage
 - 52.8 V
- Battery Type
 - LiPo 12S
- Energy
 - 274 Wh
- Net Weight
 - Approx. 1.35 kg
- Operating Temperature
 - -4°F to 122°F (-20°C to 50°C)
- Ideal storage temperature
 - 71.6°F to 86°F (22°C to 30°C)
- Charging Temperature
 - -4°F to 104°F (-20°C to 40°C) (When the temperature is lower than 5°C, the self-heating function will be automatically enabled. Charging in a low temperature may shorten the lifetime of the battery)
- Charging time
 - Using BS60 Intelligent Battery Station:
 - 220V input: 60 minutes (fully charging two TB60 batteries), 30 minutes (charging two TB60 batteries from 20% to 90%)
 - 110V input: 70 minutes (fully charging two TB60 batteries), 40 minutes (charging two TB60 batteries from 20% to 90%)

BS60 Intelligent Battery Station:

- Dimensions
 - 501*403*252mm
- Net Weight
 - 8.37kg
- Maximum Capacity
 - TB60 Intelligent Flight Battery x 8
 - WB37 Intelligent Battery x 4
- Input
 - 100-120 VAC, 50-60 Hz / 220-240 VAC, 50-60 Hz

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- Max. Input Power
 - 1070W
- Output Power
 - 100-120 V: 750 W
 - 220-240 V: 992 W
- Operating Temperature
 - -4°F to 104°F (-20°C to 40°C)

Optional Equipment:

- (6) Flight Batteries: (TB60 Intelligent Flight Battery *or equivalent*)
- (2) Controller Batteries: (WB37 Intelligent Battery *or equivalent*)
- Camera (gimbal) add on: (DJI Zenmuse H20T *or equivalent*)
- Dual Gimbal Connector:
- Hard Case for Drone and Controller: (DJI Go Professional Case *or equivalent*)
- Battery Case: (DJI Go Professional Case *or equivalent*)
- Drone Launch Pad (Hoodman 5 ft pad *or equivalent*)
- Tactical Aerial Spotlight: (SkyOptix 60 *or equivalent*)
- LED Beacon/strobe light: (ResQBeacon – Blue/ Red *or equivalent*)
- SanDisk Extreme PRO micro SDXC memory card (*or supported equivalent*)

B. DJI Mavic 2 Enterprise Advanced or equivalent

Aircraft:

- Takeoff Weight (Without Accessories)
 - 909g
- Max Takeoff Weight
 - 1100g
- Dimensions (LxWxH)
 - Folded: 214x91x84mm
 - Unfolded: 322x242x84mm
 - Unfolded+Spotlight: 322x242x114mm
 - Unfolded+Beacon: 322x242x101mm
 - Unfolded+Speaker: 322x242x140mm
 - Unfolded+RTK Module: 322x242x125mm
- Diagonal Distance
 - 354 mm
- Max Ascent Speed
 - 6 m/s (S-mode)
 - 5 m/s (P-mode)
 - 4 m/s (S-mode with accessories)

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- 4 m/s (P-mode with accessories)
- Max Descent Speed
 - Descend Vertically
 - 5 m/s (S-mode)
 - 4 m/s (P-mode)
 - Tilt
 - 7 m/s (S-mode)
 - 4 m/s (P-mode)
- Max Speed
 - 72 kph (S-mode, without wind)
 - 50 kph (P-mode, without wind)
- Max Service Ceiling Above Sea Level
 - 6000 m
- Max Flight Time
 - 31 min (measured while flying at 25 kph in windless conditions)
 - 28 min (RTK module attached)
 - 29 min (with beacon turned on)
 - 30 min (with beacon turned off)
 - 24 min (with spotlight turned on)
 - 28 min (with spotlight turned off)
 - 27 min (with speaker turned on)
 - 28 min (with speaker turned off)
- Max Wind Speed Resistance
 - 10 m/s (scale 5)
- Max Tilt Angle
 - 35°(S-mode, with remote controller)
 - 25°(P-mode)
- Max Angular Velocity
 - 200°/s (S-mode)
 - 100°/s (P-mode)
- Operating Temperature
 - -10° to 40° C
- GNSS
 - GPS+GLONASS
- Hovering Accuracy Range
 - Vertical:
 - ± 0.1 m (with RTK)
 - ± 0.1 m (with Vision Positioning)

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- ± 0.5 m (with GPS Positioning)
- Horizontal:
 - ± 0.1 m (with RTK)
 - ± 0.3 m (with Vision Positioning)
 - ± 1.5 m (with GPS Positioning)
- Operating Frequency
 - 2.400-2.4835 GHz;
 - 5.725-5.850 GHz
- Transmitter Power (EIRP)
 - 2.400 - 2.4835 GHz
 - FCC: ≤26 dBm
 - CE: ≤20 dBm
 - SRRC: ≤20 dBm
 - MIC: ≤20 dBm
 - 5.725 - 5.850 GHz
 - FCC: ≤26 dBm
 - CE: ≤14 dBm
 - SRRC: ≤26 dBm
- Internal Storage
 - 24 GB

M2EA Thermal Camera:

- Sensor
 - Uncooled VOx Microbolometer
- Focal Length
 - Approx. 9mm
 - 35 mm format equivalent: Approx. 38mm
- Sensor Resolution
 - 640x512 @30Hz
- Accuracy of Thermal Temperature
 - Measurement: ±2°C or ±2%, whichever is greater.
- Scene Range
 - -40 °C to 150 °C (High Gain)
 - -40 °C to 550 °C (Low Gain)
- Digital Zoom
 - 16 x
- Pixel Pitch
 - 12 µm
- Spectral Band
 - 8-14 µm

CITY OF O'FALLON, MISSOURI

- Photo Format
 - R-JPEG
- Video Format
 - MP4
- Metering Method
 - Spot Meter, Area Measurement
- FFC
 - Auto/Manual

M2EA Visual Camera:

- Sensor
 - 1/2" CMOS, Effective Pixels: 48 M
- Lens
 - FOV: 84°
 - 35 mm format equivalent: 24 mm
 - Aperture: f/2.8
 - Focus: 1 m to ∞
- ISO Range
 - Video: 100-12800 (auto)
 - Photos: 100-1600 (auto)
- Digital Zoom
 - 32x
- Max Image Size
 - 8000x6000
- Still Photography Modes
 - Single shotInterval: 2/3/5/7/10/15/20/30/60 s
 - Panorama: Sphere
- Video Resolution
 - 3840x2160@30fps
 - 1920x1080@30fps
- Photo Format
 - JPEG
- Video Format
 - MP4

Gimbal:

- Mechanical Range
 - Tilt: -135°- +45°
 - Pan: -100°- +100°
- Controllable Range
 - Tilt: -90°- +30°
 - Pan: -75°- +75°
- Stabilization
 - 3-axis (tilt, roll, pan)
- Max control speed
 - 120°/s
- Angular Vibration Range
 - ±0.005°

Sensing System:

- Sensing System
 - Omnidirectional Obstacle Sensing^[2]
- Forward
 - Precision Measurement Range: 0.5 - 20 m
 - Detectable Range: 20 - 40 m
 - Effective Sensing Speed: ≤ 14m/s
 - FOV: Horizontal: 40°, Vertical: 70°
- Backward
 - Precision Measurement Range: 0.5 - 16 m
 - Detectable Range: 16 - 32 m
 - Effective Sensing Speed: ≤ 12m/s
 - FOV: Horizontal: 60°, Vertical: 77°
- Upward
 - Precision Measurement Range: 0.1-8 m
- Downward
 - Precision Measurement Range: 0.5 -11m
 - Detectable Range: 11-22 m
- Sides
 - Precision Measurement Range: 0.5 - 10 m
 - Effective Sensing Speed: ≤ 8m/s
 - FOV: Horizontal: 80°, Vertical: 65°
- Operating Environment
 - Forward, Backward and Sides:
 - Surface with clear pattern and adequate lighting
 - (lux > 15)
 - Upward:
 - Detects diffuse reflective surfaces(>20%) (walls, trees, people, etc.)

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- Downward:
 - Surface with clear pattern and adequate lighting
 - (lux > 15)
 - Detects diffuse reflective surfaces (>20%) (walls, trees, people, etc.)

Remote Controller:

- Operating Frequency
 - 2.400 - 2.483 GHz
 - 5.725 - 5.850 GHz
- Max Transmission Distance (unobstructed, free of interference)
 - 2.400 - 2.483 GHz; 5.725 - 5.850 GHz
 - FCC: 10000m
 - CE: 6000m
 - SRRC: 6000m
 - MIC: 6000m
- Transmission Power (EIRP)
 - 2.400-2.4835 GHz :
 - 25.5 dBm (FCC) ;
 - 18.5 dBm (CE) 19 dBm (SRRC) ;
 - 18.5 dBm (MIC)
 - 5.725-5.850 GHz :
 - 25.5 dBm (FCC) ; 12.5 dBm (CE) 18.5 dBm (SRRC)
- Storage
 - ROM 16GB + microSD Extensible Storage
- Video Output Port
 - HDMI Port
- Built-in Battery
 - Type: 18650 Li-Po (5000 mAh @ 7.2 V)
 - Charging Mode: Charged with USB charger at 12V/2A
 - Rated Power 15 W
 - Charging time: 2 hr (with a USB charger at 12V/2A)
- Operating Current/Voltage
 - 1800mA = 3.83V
- Battery Life
 - Built-in Battery Approx. 2.5 hr
- Operating Temperature
 - -20° C - 40° C
- RC Size
 - Folded without Joystick: 177.5 x 121.3 x 40 mm
 - Unfolded with Joystick: 177.5 x 181 x 60 mm
- Weight
 - Approx. 630 g

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- Intelligent Flight Battery
 - Main Link: 17.6V = 3.41A or 17.0V=3.53A
 - USB: 5.0 V = 2.0 A

Intelligent Flight Battery:

- Capacity
 - 3850 mAh
- Voltage
 - 15.4V
- Max Charging Voltage
 - 17.6V
- Battery Type
 - LiPo
- Energy
 - 59.29 Wh
- Net Weight
 - 297g
- Charging Temperature
 - 5°C - 40°C
- Operating Temperature Range:
 - -10°C - 40°C
- Heating Methods:
 - Manual Heating, Auto Heating
- Heating Temperature
 - -20°C - 6°C
- Heating duration
 - 500s (Max)
- Heating Power
 - 55W (Max)
- Charging Time
 - 90 mins
- Max Charging Power
 - 80W

RTK Module:

- Dimensions
 - 69 mm x 69 mm x 59mm
- Connections
 - Micro USB Port

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- RTK Positioning Precision
 - In RTK FIX
 - 1cm+1ppm (Horizontal)
 - 1.5cm+1 ppm (Vertical)

M2EA Spotlight:

- Dimensions
 - 68x60x41mm
- Connections
 - Micro USB Port
- Operating Range
 - 30 m
- Power
 - Max 26W
- Illuminance
 - FOV17°, Max: 11lux @ 30m Straight

M2EA Beacon:

- Dimensions
 - 68mmx40mmx27.8mm
- Connections
 - Micro USB Port
- Power
 - Avg. 1.6W
- Controllable Range
 - 5000 m
- Light intensity
 - Min Angle: 55 cd
 - Light intensity: 157cd

M2EA Speaker:

- Dimensions
 - 68x55x65 mm
- Connections
 - Micro USB Port
- Power
 - Max 10W
- Decibel
 - 100 db @ 1 meter distance
- Max Bitrate
 - 16kbps

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Supported SD Cards:

- Micro SD™
 - Supports a microSD with capacity of up to 128 GB.
 - A UHS-I Speed Grade 3 rating microSD card is required.

APP / Live View:

- Video Transmission System
 - OcuSync 2.0
- Mobile App
 - DJI PILOT(Android Version)
- Live View Quality
 - Remote Controller: 720p@30fps / 1080p@30fps
- Max Live View Bitrate
 - 40Mbps
- Latency
 - 120 - 130 ms
- Required Operating System
 - ios 10.0 or later Android 5.0 or later

Optional Equipment:

- (3) Flight Batteries: (DJI Mavic 2 Intelligent Flight Battery *or equivalent*)
- (1 pair) Low Noise Propellers: (DJI Mavic 2 *or equivalent*)
- Hard Cases for Drone and Controller: (DJI Go Professional Cases *or equivalent*)
- SanDisk Extreme PRO micro SDXC memory card (*or supported equivalent*)

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Pricing

A. DJI Matrice 300 RTK or equivalent:

Proposed Product / Model #	
Total Price (includes shipping/delivery)	\$

Optional Equipment	Proposed <i>Equivalent</i> Product (Make/Model)	Estimated Qty.	Unit Price (includes shipping/delivery/installation)
Flight Batteries: (TB60 Intelligent Flight Battery <i>or equivalent</i>)		6	\$
Controller Batteries: (WB37 Intelligent Battery <i>or equivalent</i>)		2	\$
Camera (gimbal) add on: (DJI Zenmuse H20T <i>or equivalent</i>)		1	\$
Dual Gimbal Connector		1	\$
Hard Case for Drone and Controller: (DJI Go Professional Case <i>or equivalent</i>)		1	\$
Battery Case: (DJI Go Professional Case <i>or equivalent</i>)		1	\$
Drone Launch Pad (Hoodman 5 ft pad <i>or equivalent</i>)		1	\$
Tactical Aerial Spotlight: (SkyOptix 60 <i>or equivalent</i>)		1	\$
LED Beacon/strobe light: (ResQBeacon – Blue/Red <i>or equivalent</i>)		1	\$
SanDisk Extreme PRO micro SDXC memory card (<i>or supported equivalent</i>)		1	\$
Onsite support (if included, please indicate)		Per hour	\$
Onsite training (if included, please indicate)		Per hour	\$

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B. DJI Mavic 2 Enterprise Advanced or equivalent

Proposed Product / Model #	
Total Price (includes shipping/delivery)	\$

Optional Equipment	Proposed <i>Equivalent</i> Product (Make/Model)	Estimated Qty.	Unit Price (includes shipping/delivery/installation)
Flight Batteries: (DJI Mavic 2 Intelligent Flight Battery <i>or equivalent</i>)		3	\$
Low Noise Propellers: (DJI Mavic 2 <i>or equivalent</i>)		1 pair	\$
Hard Cases for Drone and Controller: (DJI Go Professional Cases <i>or equivalent</i>)		1	\$
SanDisk Extreme PRO micro SDXC memory card (<i>or supported equivalent</i>)		1	\$
Onsite support (if included, please indicate)		Per hour	\$
Onsite training (if included, please indicate)		Per hour	\$

Exception Sheet

If any item does not meet bid specifications, please indicate item number and describe below
(use additional sheets if necessary)

Item #	Brief Explanation

Date: _____

Print Name: _____

Signature: _____

Title: _____

Company: _____

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Signature of bidder indicates that bidder understands and will comply with all terms and conditions and all other specifications made a part of this invitation to bid and any subsequent award of contract. All terms, conditions and representations made in the invitation will become an integral part of the contract.

Acknowledge the receipt of addenda by checking below as appropriate:

Addendum 1 _____ **Addendum 2** _____ **Addendum 3** _____ **Addendum 4** _____

BID AWARD CRITERIA:

This bid will be awarded to the lowest responsive, responsible bidder meeting specifications based upon the total lump sum bid amount.

The Contractor agrees to provide the equipment, service and supplies described above and in the contract specifications under the conditions outlined in attached documents for the amount stated above.

X _____
(Signature and Title)

CORPORATE SEAL
(If available)

BID MUST BE SIGNED FOR CONSIDERATION

Subscribed and Sworn to before me this _____ day of _____ AD, 20_____

(Notary Public) My Commission Expires: _____



**CITY OF O'FALLON, MISSOURI
PURCHASING DEPARTMENT**

100 North Main Street
O'Fallon, MO 63366

T: (636) 379-5527

Fax: (636) 978-4144

LATE BIDS CANNOT BE ACCEPTED!



<u>SEALED BID</u>	
INVITATION #:	22-032
OPENING DATE:	03/23/2022
OPENING TIME:	2:00 P.M. CST
DESCRIPTION:	COMMERCIAL DRONE SYSTEM
DATED MATERIAL-DELIVER IMMEDIATELY	

PLEASE CUT OUT AND AFFIX THIS BID LABEL (ABOVE) TO THE OUTERMOST ENVELOPE OF YOUR BID TO HELP ENSURE PROPER DELIVERY!

LATE BIDS CANNOT BE ACCEPTED!